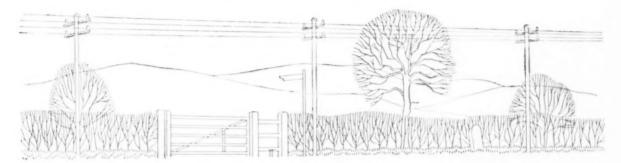
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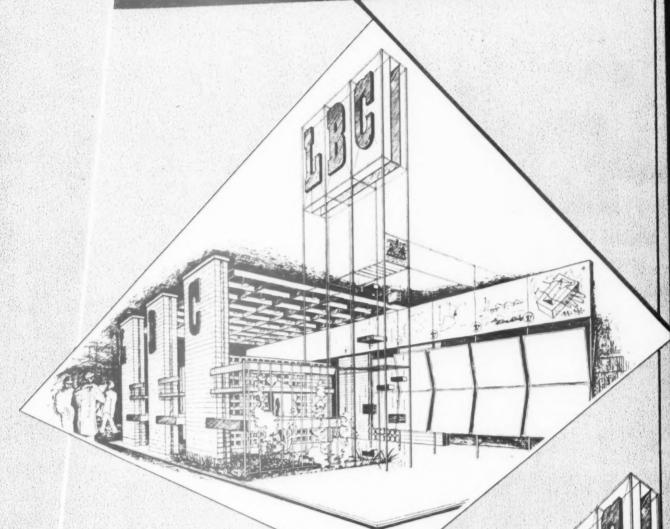
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STAND No. 97 ROW E

Architect : John Harris, A.R.I.B.A.

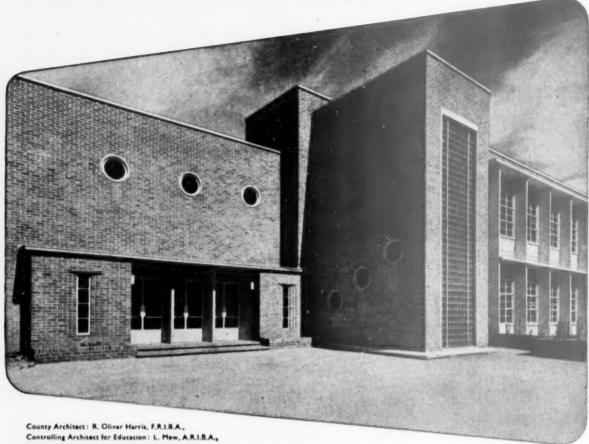
Contractors : Holland & Hannen and Cubitts Ltd.,



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Assistant Architect in charge: R. H. West, L.R.I.B.A., Contractors: F. W. Foster Ltd., Radstock, Somersets

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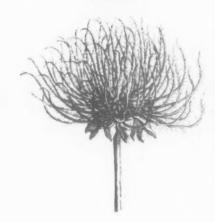
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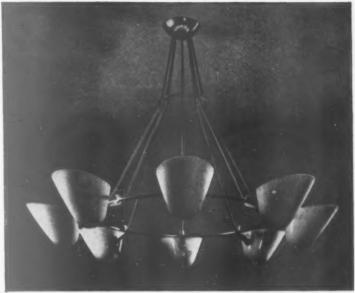
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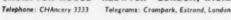
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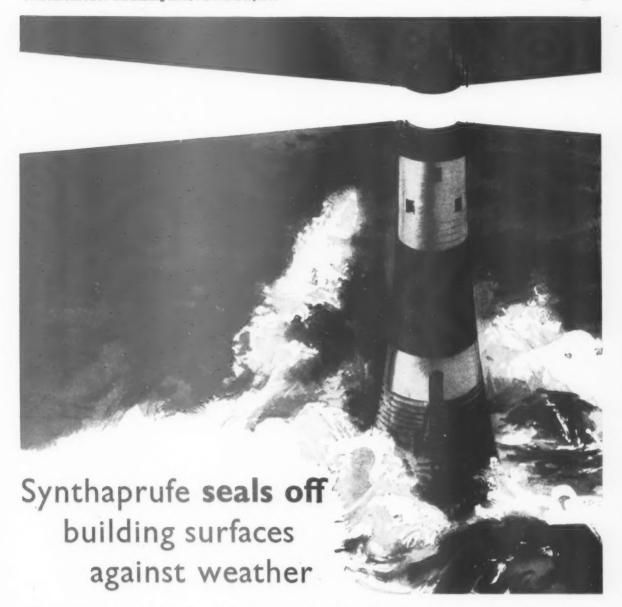
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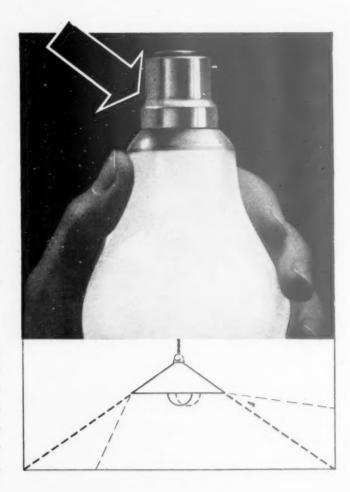
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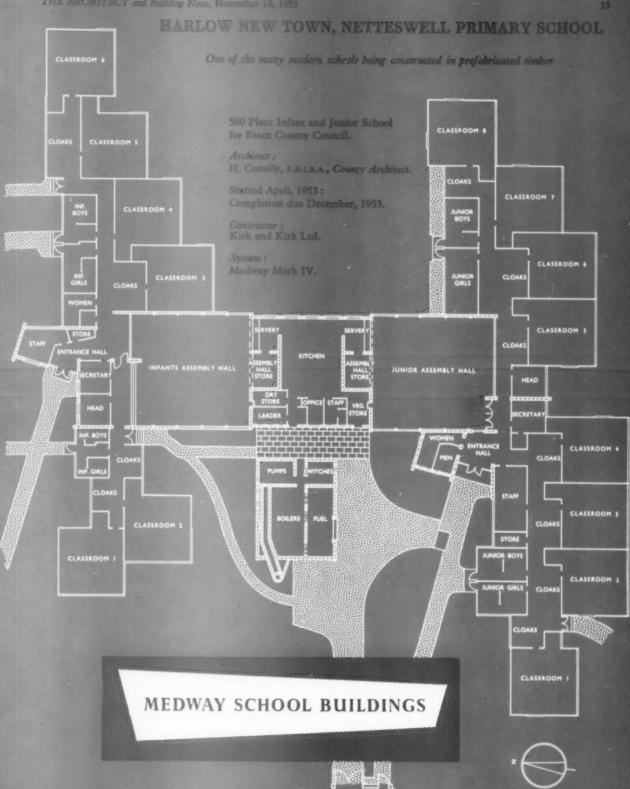


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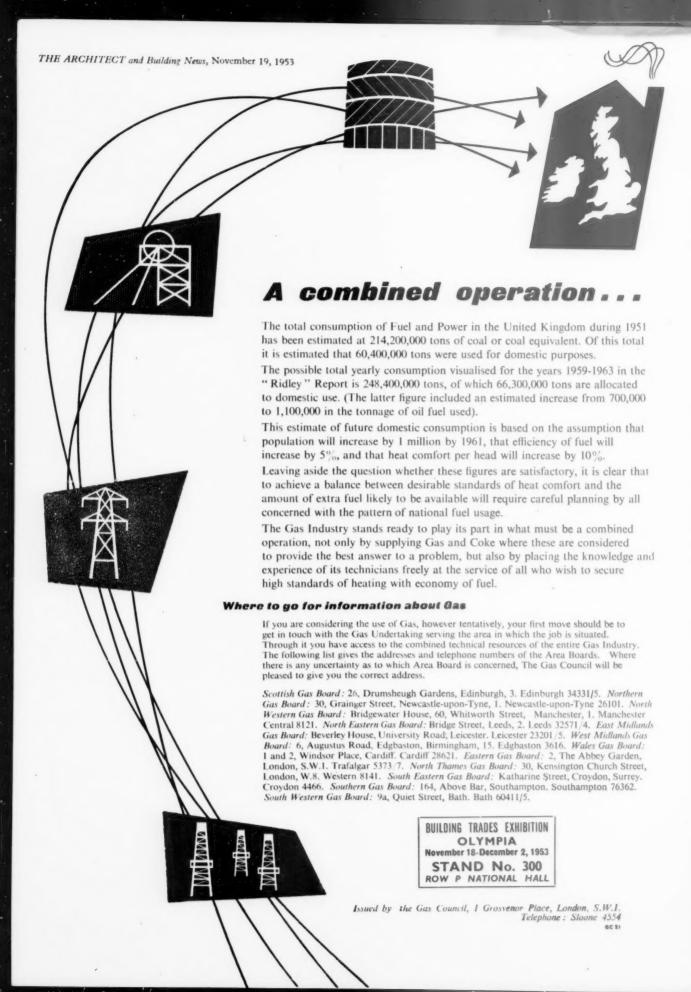
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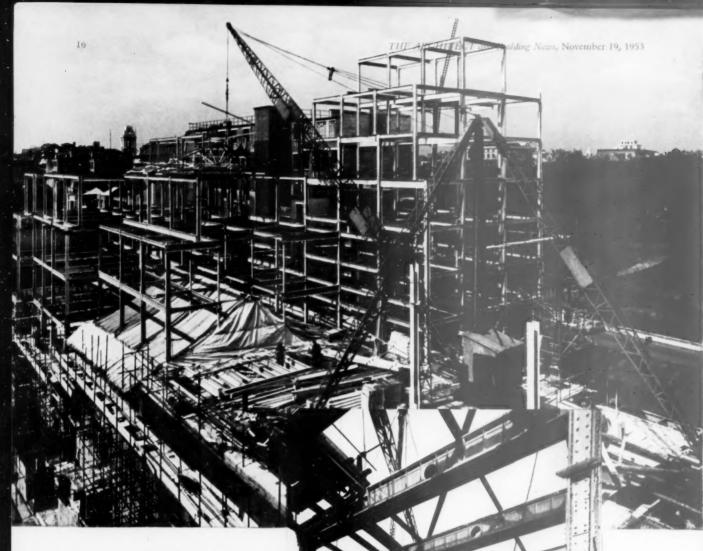
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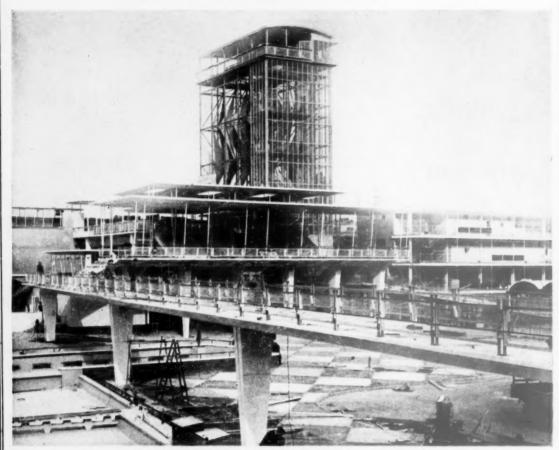
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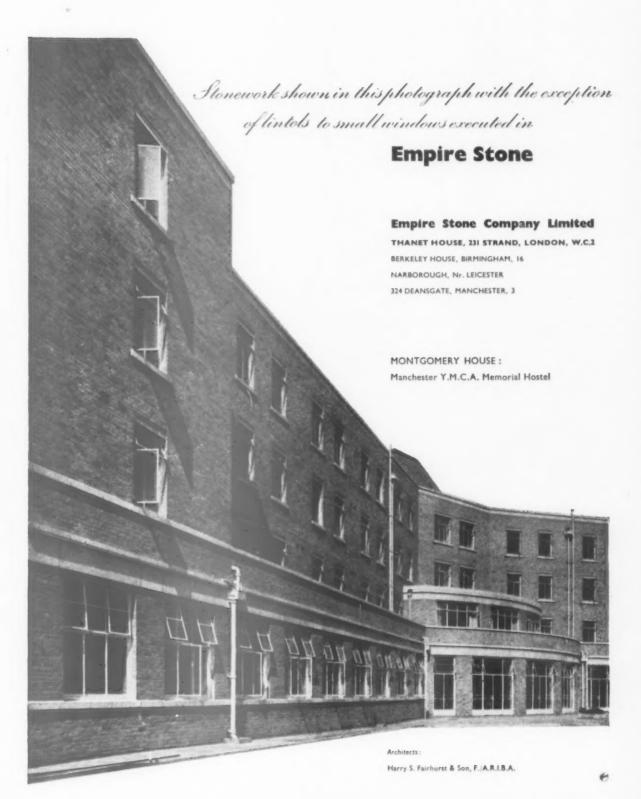
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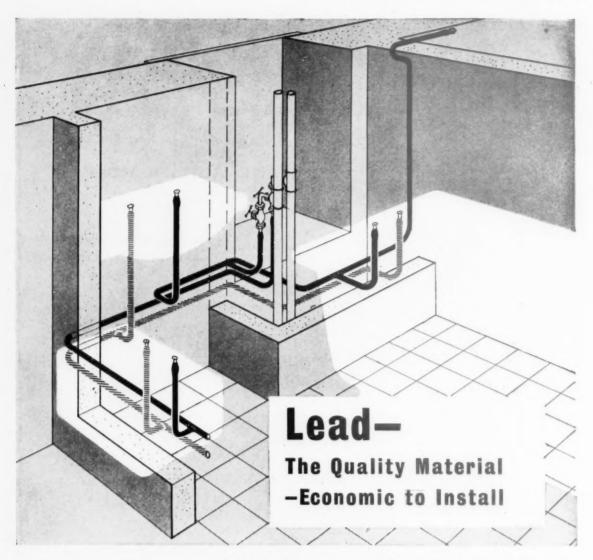
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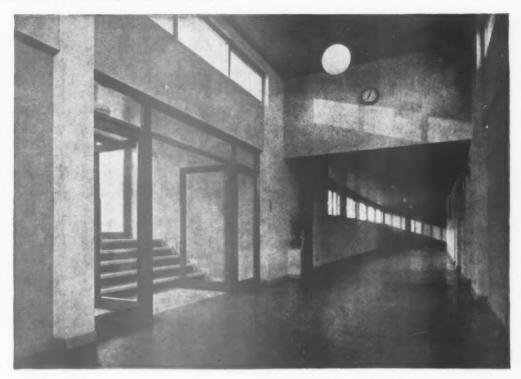
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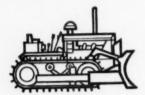
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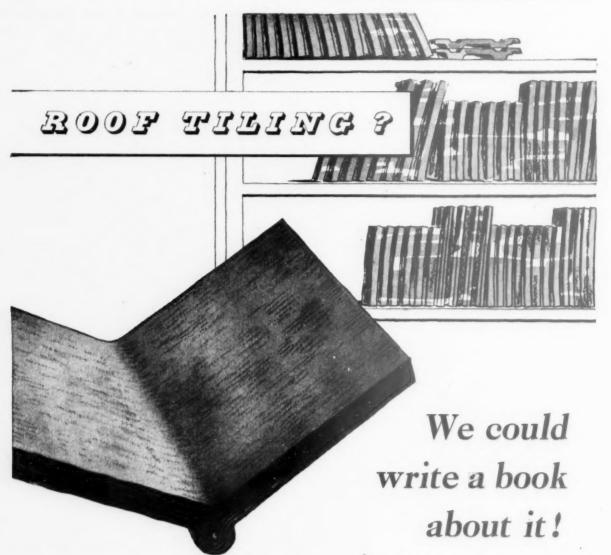
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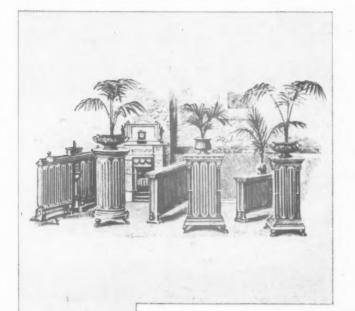
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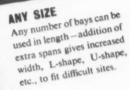
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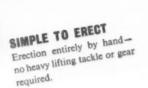
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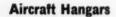
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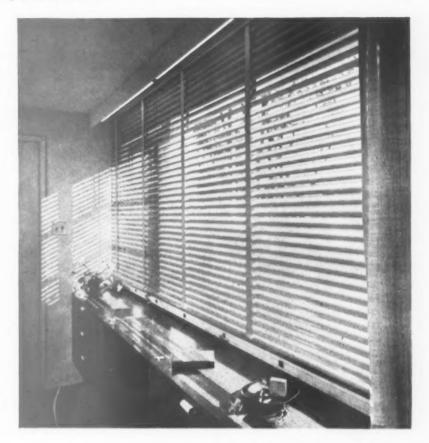
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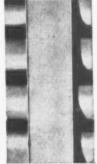
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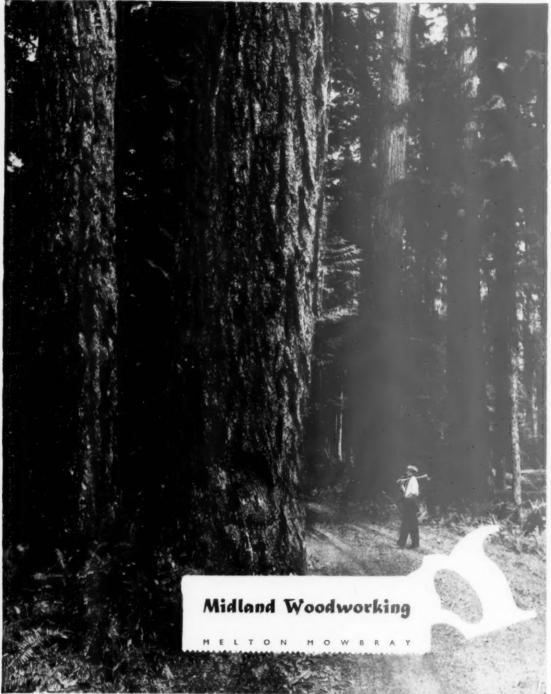
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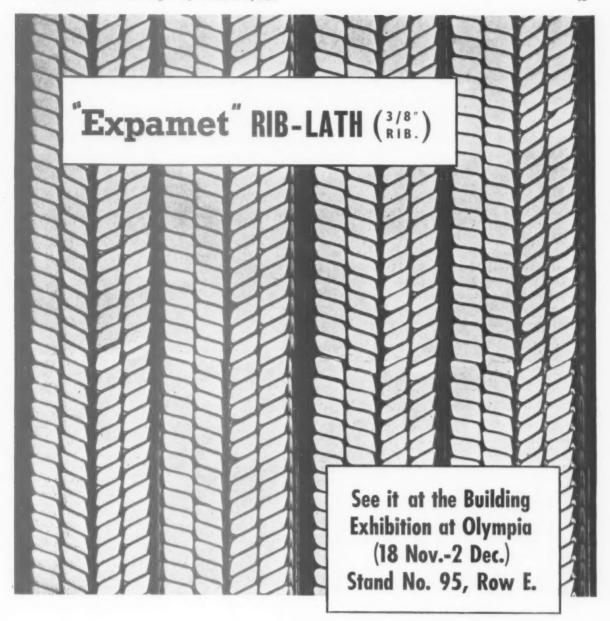
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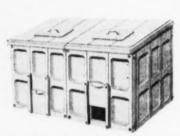


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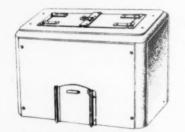
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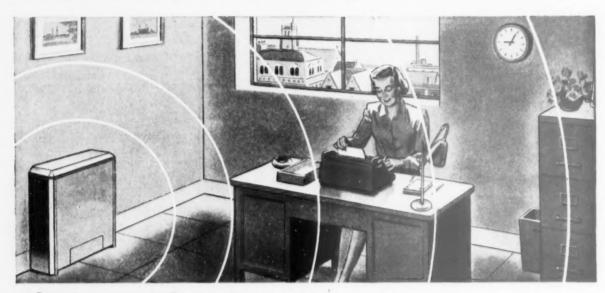
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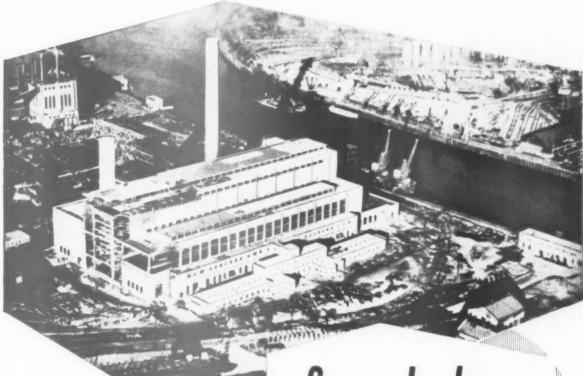




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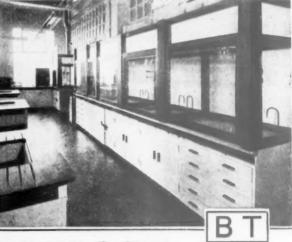
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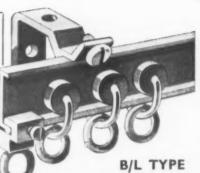
SCIEX

Every new building calls for the specification of

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CURTAIN RUNWAY SYSTEMS

⁶ Rufflette ⁷ Brand Runways, either corded or non-corded, are being increasingly used as landlord's fixtures in many new building schemes Full details will be supplied on request.



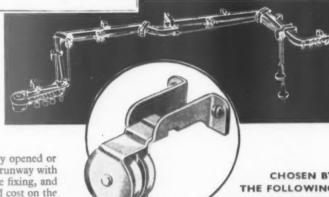
This is a strong corded or noncorded 'Rufflette' runway for all general purposes. Also available in plastic.

FOR BAY WINDOWS

'Rufflette' Brand Curtain Runways have been developed for every curtain suspension need. Shown on the right is the new cordcontrolled 'Rufflette' runway for fitting to bay windows.

FOR STRAIGHT RUNS

For straight runs, curtains can be effortlessly opened or closed with this 'Rufflette' cord-controlled runway with sliding overlap arm. Brackets are top or face fixing, and are designed to save valuable fitting time and cost on the job.



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curved travelling section which enables

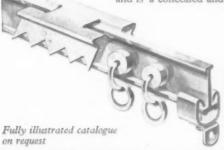
* Note the curved travelling section which enables curtains to be overlapped without cutting rail.

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rigidly in position by a patent spring clip without screws and is a concealed and permanent fitting.





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No. 400 OVAL KNOB Rim or Mortice







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Models indicated by this star are supplied with the Lacrinoid patent "floating spindle". This dispenses with the need for grub screws and ensures a rattle-free fitting for all normal door thicknesses. The following models can be supplied on request with "floating spindle" and fixed rose: 400, 300 and 290.

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CHURCHES, INSTITUTIONAL
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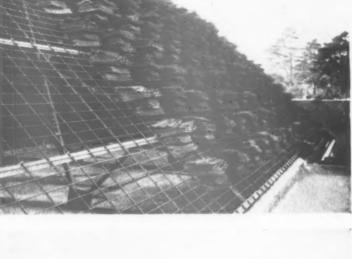
Slates or tiles quickly and accurately secured by specially designed Stainless Steel rustless clips

"Precision" roofing is a combination of tradition and prefabrication. The grillage is electrically welded at all intersections, and gauged to specification for appropriate lap of covering materials.

Gauge and lap are predetermined and cannot be altered during progress of the work.

Slates or Tiles (natural or concrete) quickly and accurately fixed with a minimum of skilled labour, and secured with stainless steel rustless clips.

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ARCHITECTS: A. E. Cogswell & Sons, Portsmouth.

CONTRACTORS: H. J. Haynes Ltd., Portsmouth.

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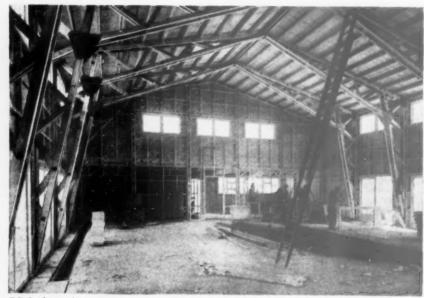
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T D A photograph

Illustration shows interior framework, before cladding, of the large assembly hall 60ft. × 40ft. constructed of four three-pinned frames giving a height to ridge 26ft. and to eaves 16ft. This prefabricated timber school is demountable and could be moved to another site if necessary—this is made possible by the modern technique of jointing timber using:—

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(Patent No. 593945)

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*BULLDOG (Registered Design No. 838743)

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TECO HEAVY DUTY SHEAR PLATES

MAF TRIP-L-GRIP FRAMING ANCHORS

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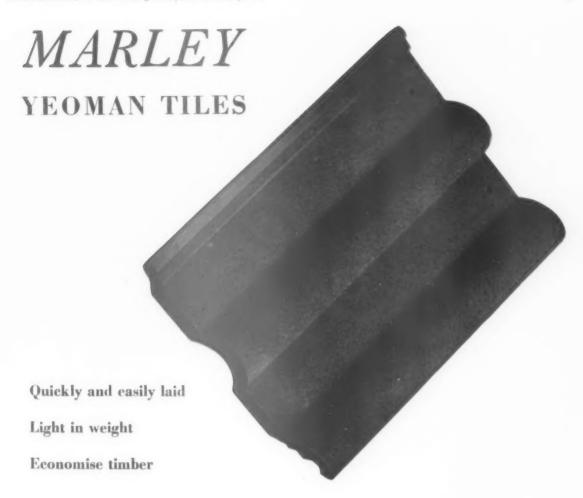
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TECHNICAL DATA							
Gauge	Lap	No. of Tiles		Feet Run of Batten		Approx.Weight of Tiling in lb.	
		per sq.	per sq. yard	per sq.	per sq. yard	per sq.	per sq. yard
134"	3"	92.5	8.3	90	8.1	1,000	90
124"	4"	100	9.0	98	8.8	1,100	99
114"	5"	109	9.8	107	9.6	1,200	108

Yeoman tiles have a variable gauge which should be utilised to avoid cutting tiles at top courses.

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ARE BRACED
TO THE STRUTS
THROUGHOUT
THE DISTANCE
A to B



Square shoulder of bolt into square hole

IMMENSELY STRONG, ANY HEIGHT, WIDTH OR DEPTH, AS REQUIRED FOR THE SPECIAL JOB. EASILY THE MOST QUICKLY ERECTED SYSTEM KNOWN.

OBVIOUSLY
THE MOST
ECONOMICAL
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SCIENTIFIC ARCHITECTURAL PRINCIPLES APPLIED TO RACKING! —

Result FAR HIGHER
"AREA-STRENGTH-COST"
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ACTUAL COLOUR IS POLYCHROMATIC BRONZE UPON ALUMINIUM ETCHING PRIME

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The opening years of the nineteenth century saw the beginning of mechanical invention, philosophic teaching, romantic novels, poetry and political forces that were to change the pace and face of the world. All this ferment of thought and action was reflected in the new furnishings of the time, now popularly known as English Regency, after the Prince who became Regent for George III. The colour of the Semastic Decorative Tile illustrated is a cream used in much of the Regency furnishings, now standardised by the British Colour Council who collaborated in the selection of colours for both Semtex Vinyl and Semastic Decorative Tiles. Architects will find that this dual range offers them the widest possible scope for colourful decorative schemes to satisfy both æsthetic and practical considerations.

> One of the eighteen plain and marbled colours in the Semastic Decorative Tile range.

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The Vinyl and Semastic Decorative Tile ranges can be seen on STAND EIGH . BUILDING EXHIBITION . OLYMPIA . 18th NOVEMBER-2nd DECEMBER The "Architect and Building News" incorporates the "Architect," founded in 1869, and the "Building News," founded in 1854. The annual subscription, inland and overseas, is £2.15s. Od. post paid: U.S.A. and Canada \$9.00 Published by ILIFFE & SONS LTD., DORSET HOUSE, STAMFORD STREET, LONDON, S.E.I
Telephone: WATERLOO 3333 (60 lines). Telegrams: "ARCHITONIA, SEDIST, LONDON."

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THE INDUSTRY'S SHOP WINDOW

Building Exhibition at Olympia; it is a special occasion in the history of this event, for it marks the Jubilee of what is now a wellestablished and comprehensive review of the largest industry in this country.

Not only are the organizing and operative sides of building represented but all the ramifications of ancillary trades making or supplying components and materials necessary for the completion and occupation of buildings of all kinds. Here too is found a forum for the display and discussion of new ideas and new products exhibited perhaps for the first time at Olympia.

In addition the press and publishers, the schools, many associations and the A.B.S. are represented and once more demonstrate and confirm their relationships and service to the industry.

Unlike some other major exhibitions, this particular show is concerned to a very large extent with home affairs; with building in this country and with those that maintain our buildings. The appeal of interest alone is very wide; with the large contractors and component manufacturers together with the small builder and the craftsman in country workshops; with the great employers of designers and constructors, the local authorities and national corporations together with the man-in-the-street who wants a new house or a garage addition to his present one; with the professions of architecture, engineering and surveying.

Although this strong intensive home interest is necessarily present, there is also another side to the industry, mainly concerned with materials and components of buildings or used in the erection of buildings, which must not be lost sight of in any

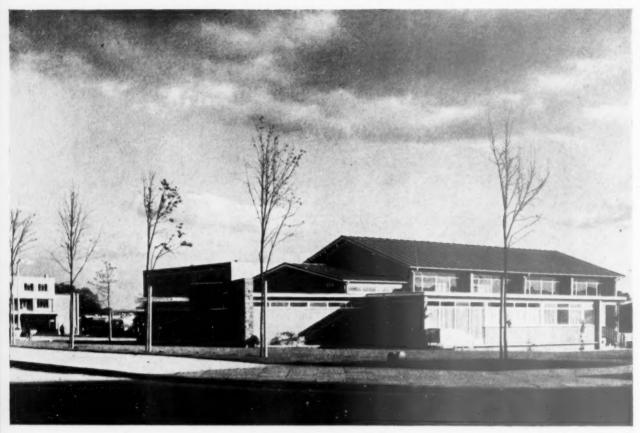
E have seen this week the opening of the general review. Exports of materials and components to both foreign and Commonwealth countries and to our colonies are a strong side of the industry. Provided that the programmes of construction and reconstruction in this country are not too much affected, then full attention should be paid to any overseas markets that can be invaded.

> The honeymoon period of the post-war seller's market is over; now no manufacturer can pick and choose his field and every possible market open to him must be explored and used. Such an attitude is likely to have strong repercussions, in the long run, on widening supplies and on reduction of prices of all building requirements in this country.

If well-designed exports are produced they must be marketed intelligently; with all the assistance that high quality and suitable publicity (presented in the right foreign language) can give. Nor must the longer term facets of education, in the press, by means of research and through foreign contacts, be ignored. All these sides of the industry can be dovetailed together by taking thought for the fullest welfare of both country and industry.

Above all, whatever may be the effects of salesmen here or abroad, the ultimate success of competition lies in price, quality being equal or superior. If the prices of materials and components continue to rise, from whatever cause (if the cause is unknown, it should be discovered) then we as a country cannot stand up to reviving world competition at all, and production and expansion and our own home programmes will suffer in consequence.

For the ends of greater future prosperity, expansion and the incentive to adventure, we welcome again the Building Exhibition and wish its promoters even greater success than they have yet achieved during the last twenty-four shows.



Adeyfield Hall, Hemel Hempsteud's first Neighbourhood Centre, opened by Lord Reith on October 31.

Chief Architect: H. K. Ablett, F.R.I.B.A., M.T.P.I.

EVENTS AND COMMENTS

BRIEF CITY

Congratulations to the Building Centre on its decision to give a series of showings of the *Observer* film of the South Bank Exhibition. I have not seen this film but I was present at the making of some of it. It is, I believe, the only record of the exhibition, apart from various newsreels. The film was shown at the Edinburgh Festival last year and was received well. It will be good to see the gay scene again and to renew acquaintance with some of our favourite buildings there, now gone for ever. The stars of the show are Sir Hugh Casson and Patrick O'Donovan of the *Observer*. Shows are from Monday to Friday next week, at 5.30 and 6.15, at the Building Centre. No tickets are required.

REBUILDING IN THE CITY

The outgoing Lord Mayor departed in a cloud of smoke after laying about all those who are gloomy about the prospects of rebuilding in the City. He thought that there would be a building boom in 1954. This speech at the dinner of the Corporation's Improvements and Town Planning Committee followed the line of others he made at the L.M.B.A. lunch and his dinner to the bankers of London

at the end of last month. Mr. Howard Robertson, who was among the distinguished architects present, spoke and told of the difficulties of obtaining a licence even to clear a site for a survey. No licence was forthcoming on one job until he had the brilliant idea that there might be antiquities beneath the rubble. Permission was given, no antiquities were found but the site was cleared.

The P.R.I.B.A. is certainly doing his stuff as ambassador of the profession. Not everyone can yet say that he has had his portrait in the *Recorder* but that paper had a three-column picture of the president with a potted biography beneath it. Congratulations to the *Recorder* for giving proper prominence to the profession.

I noticed, too, two columns taken from his inaugural address in the Contract Journal two weeks ago. In the past many presidents of the Institute have been best known for their activities within the profession and not for their public relations outside. A notable exception to this was Sir Percy Thomas, the story of whose excellent work with government departments after the war and in the cause of the profession has never been made public. Let us hope that official recognition of Mr. Robertson's services to architecture and architects will not be much longer delayed.







Three hand-painted postcards by Patrick Horsbrugh, sketched during a holiday in the Greek Islands.

A PRODIGIOUS SKETCHER

Mr. Patrick Horsbrugh, whose brilliantly illustrated thesis on Italian hill towns is well worth turning up in the R.I.B.A. library, has recently returned from a visit to the Greek islands. During his absence he kept his friends supplied with delightful coloured sketches on ordinary postcards. Goodness knows how many he did but I have No. 65 in front of me as I write. Mr. Horsbrugh is an artist in the tradition of Edward Lear, who produced thousands upon thousands of delightful sketches on his travels, but unlike Mr. Horsbrugh, Mr. Lear used them for painting very dreary oil paintings when he got home. Although much is lost in the black and white reproduction of the three Horsbrugh postcards reproduced on this page enough remains to give some idea of their quality.

NEWS FROM FRANCE

Over a quarter of a million people saw the floodlighting of the Chateau of Versailles during the summer, which I described in August. The idea is to be repeated next year from June 2 and will be given every day except Monday and Tuesday, with an expensive day on Friday when the attendance will be limited.

The exhibition of Books and Pictures dealing with the history of the Chateau of Versailles was opened at the National Book League on Friday by the Under-Secretary of the Ministry of Beaux Arts. The exhibition is well worth a visit and includes many curious and interesting things. Proceeds will go to the Versailles restoration fund.

The rumour that Le Corbusier was to construct another Unité is now confirmed. The scheme is for a block to house 1,500 people at Rezé, near Nantes.

THE NATIONAL BUILDINGS RECORD

The twelfth annual report of the N.B.R. draws attention to the growing number of demolitions of large houses of architectural interest. There were 28 in the year ending April 12, 1953. The increase in demolitions and threats of demolition adds to the work of the Record and thus its expenses go up. In spite of this additional work the Treasury grant remains fixed at £10,000 a year. During the year nearly 18,000 negatives, prints, and drawings were added to the Record's collection, which now includes 413,928 items. It would seem that with mounting responsibilities and increased work the grant to the N.B.R. should be reviewed, for the organization is clearly failing in its appointed task if it is unable for financial reasons to record buildings before they are demolished and to carry on adequately its country-wide routine work of recording.

SWEDEN UNDERGROUND

From various reports which I have read of burrowing activities in Sweden it seems that the Swedes are determined that they at any rate will survive the next war, fighting or neutral. Apparently all key industries are being put underground and that, in Sweden, means in solid rock. Vast atom-bomb-proof shelters are being constructed for the populace. I have, so far, seen no announcement that the Swedish Government is arranging to make a comprehensive collection of pairs of animals. Should such a policy be followed it would, I suppose, be necessary to find a non-political alternative for the dove.

NEWS OF THE WEEK

Retirement of Mr. Cyril H. Walker

The General Purposes Committee of the L.C.C., in their report to the Council of November 3, recommend for Mr. Cyril H. Walker, Director of Housing and Valuer, an additional retiring allowance of £490 a year and an additional lump sum payment under the Superannuation Scheme of £967. bringing his pension to £2,023 a year and the lump sum payment to £2,500. The recommendation in effect proposes the addition for superannuation purposes of 7 years to Mr. Walker' years of superannuable service with the Council and other authorities. exercising its powers to increase retiring allowances under the Scheme, the Council is required to be satisfied that the officer's services have been of outstanding merit and also that the officer either possessed exceptional qualities not normally to be required in the service or had performed service of an exceptional character. The Commitexceptional character. tee state that in their view, the services which Mr. Walker has rendered to London meet these requirements to an exceptional degree.

Proposed Reorganization of L.C.C. Housing and Valuation Departments

The Finance Committee of the L.C.C. in its report to the Council of November 10th, recommend that as from April 1st, 1954, two separate departments be set up in place of the present housing and valuation departments. That from the same date the salary attaching to the office of Director of Housing be £3,000 p.a. and that Mr. J. E. J. Toole, F.R.I.C.S., be appointed valuer at a salary, personal to him, of £3,500 p.a.

Also recommended, that at a date not later than April 1st, 1954, the architect to the Council should be responsible for the L.C.C. programme of out-county cottage estates work

of out-county cottage estates work.

Also that the General Purposes
Committee of the L.C.c. be authorized
to settle, in consultation with the
Housing Committee and the Establishment Committee, the allocation to
other departments of the present functions of the housing and valuation
departments.

Remaining Controls on Softwood Removed

The Minister of Materials, Lord Woolton, has made the Timber (Control) (Revocation) Order, 1953, which removes all restrictions on the acquisition, supply and use of softwood with effect from November 13th, 1953. From that date, softwood timber may



Bostock House, the first part of a new Home for Nurses attached to the hospitals on the Grosvenor Road site, Belfast, which was opened on 23 October, by H.E. The Lady Wakehurst. The architects are Messrs. Easton & Robertson.

be used without a consumption licence. It is estimated that the removal of licensing of softwood will save the completion of over 500,000 forms per year by users.

South Bank — Permanent Development Exhibition

An exhibition illustrating the L.C.C.'s plan for the permanent development of the South Bank site between County Hall and Waterloo Bridge, will be open free from 5.30 p.m. daily at the Royal Festival Hall, until December 2, inclusive.

Old prints and photographs will illustrate something of the history of this part of London. A model and drawings and plans will enable many thousands of concert-goers and others visiting the Royal Festival Hall to have a glimpse into the future of the South Bank which in the past three years has become known to people all over the world.

It is hoped that the plan will shortly be included among subjects under discussion in the B.B.C.'s programme "The Critics."

COMPETITION

The Burgh of Kirkcaldy, Fife, have agreed to hold a competition for their crematorium. The assessor is Dr. Ronald Bradbury, F.R.I.B.A., of Liverpool. The first three premiated designs will receive £300, £200 and £100. The total cost is-estimated as follows: Building £54,000; organ £1,500; engineering equipment £6,000; seating and furniture £2,000; contingencies £6,000; fees £5,000; layout of garden of remembrance £5,000.

It will be recalled that in 1937 Kirkcaldy held a competition for their Municipal Buildings, the winner being Mr. David Carr.

COMING EVENTS

BUILDING EXHIBITION

November 20 at 4.15 p.m. In the Conference Hall, National Hall Gallery, Olympia. Lecture on "Management in the Building Industry," by D. E. Woodbine Parish, Past President, L.M.B.A. In the Chair, Sir Charles Mole, Director General, M.O.W.

Royal Society of Arts

November 23, 30 and December 7 at 6 p.m. Three Cantor Lectures on "Alloys," by G. L. Bailey, C.B.E., M.Sc., Director, The British Non-Ferrous Metals Research Association, at John Adam Street, Adelphi, W.C.2.

British Mexican Society

November 23 at 5.30 p.m. Illustrated lecture by Sir Alfred Bossom, Bt., F.R.I.B.A., M.P., on "Modern Mexican Art," at the Royal Institute of British Architects, 66, Portland Place, W.1.

Reinforced Concrete Association

November 24 at 6.45 p.m. Talk on "Recent Developments in Prestressed Concrete Construction," by A. J. Harris, B.Sc. (Eng), A.M.I.C.E., at the College of Technology, Sackville Street, Manchester, 1.

The Architectural Association

November 25 at 8 p.m. Ordinary General Meeting. Lecture on "By the Liffey-side—Georgian Dublin," by Vincent Kelly, at 34, Bedford Square, W.C.1.

Students' Planning Group

November 26 at 6.30 p.m. Talk on "The Management of a New Town," by Henry W. Wells, F.R.I.C.S., Chairman of Hemel Hempstead Development Corporation, at 28 King Street, Covent Garden, W.C.2.

IN PARLIAMENT

Timber Freed from Control

All restrictions on the acquisition, supply and use of softwood have been removed, with effect from Nov. 13. Mr. Heathcoat-Amory, Minister of State at the Board of Trade, informed the House of Commons of this decision on Nov. 12, when in answer to a question by Mr. Ian Harvey he stated that Lord Woolton—who now combines the duties of Minister of Materials with those of Chancellor of the Duchy of Lancaster—had made an order removing all restrictions on the use of softwood timber and of the few types of hardwood which still remained subject to consumption licensing. At the same time the President of the Board of Trade was removing all quantitative restrictions on the import of hardwoods from all sources except the dollar area. Import licences for dollar hardwoods would still be granted only for essential use.

Colonial Exports

Mr. Vane asked the Secretary of State for the Colonies how he explained the substantial drop in the export of timber from British colonial territories, and in particular from Nigeria, Kenya and North Borneo, in 1952, compared with 1951; and how he assessed the prospects for 1953. Mr. Lyttelton replied that the main cause was the fall both in demand and in prices for timber, particularly in the United Kingdom, after 1951. Exports from North Borneo were also affected by Australian import restrictions. There had been a revival of demand in 1953, and exports should be higher than in 1952 (Nov. 11).

House Repair Standards

The Housing Repairs and Rents Bill, the text of which was issued on Nov. 12, contains a clause setting out the considerations to be taken into account in determining the standard of fitness for human habitation. These

are—repair, stability, freedom from damp, natural lighting, ventilation, water supply, drainage and sanitary conveniences, and facilities for the storage, preparation and cooking of food and for the disposal of waste water. The clause states that a house shall be deemed to be unfit if, and only if, it is so far defective in one or more of the said matters that it is not reasonably suitable for occupation in that condition. There is an additional proviso repealing conflicting provisions in local bylaws and enactments operated under the 1936 Act.

The Bill gives effect to the proposals in the recent White Paper "Housing, the Next Step," for the repair of rent restricted houses, slum clearance, and reconditioning unfit houses. The text discloses that the Exchequer contribution towards the expenses of local authorities in buying unfit houses for temporary occupation and bringing them up to the prescribed standard is to be an annual grant of £2 5s, or that amount for each separate dwelling if there is more than one in the house. payable for 15 years from the date of purchase. There is also to be an annual payment equal to half the annual loan charges on the cost of purchase for each year the building is used for housing with the Minister's approval. The condition that a house must have an expected life of 30 years to earn a grant for improvement and conversion is abolished, and the Minister or the local authority may admit proposals if the house is likely to last for more than 10 years.

Quarried Stone

Mr. Patrick Maitland asked the Secretary of State for Scotland what suggestions he had received from the Building Materials Committee of the Scottish Council about the increased use of stone in house building, especially by means of standard-sized blocks cut at the quarry, and by designing

house types which used stone for loadbearing, to permit the use of cheaper materials for those parts of the building free from stress: and what action he was taking thereon.

Mr. Stuart stated that the Building Materials Committee reported direct to the Scottish Council, and he had not yet received from the council any suggestions or recommendations on this subject When he did he would give them careful consideration, in consultation with the Minister of Works (Nov. 10).

Vacated Factories

Mr. Viant asked the Minister of Housing and Local Government whether he was aware that there were no powers in existing legislation which would enable borough councils to control the future use of factory premises vacated by industrial undertak-ings transferred to the new and expanded towns; that this made practically impossible any reduction in the over-industrialization of such boroughs; and if he would give an assurance that this problem was receiving his consideration. Mr. Marples, the Parliamentary Secretary, replied that local planning authorities had power, under Section 26 of the Town and Country Planning Act, 1947, to insist on any use being discontinued, if there were good planning reasons for doing so, subject to payment of compensation. In addition local authorities could buy vacated industrial premises and clear them in the process of redevelopment. The difficulty was cost. Industrial premises were apt to be very expensive. He feared, therefore, that, while many vacated factories ceased to be used as such, the process of extinguishing their use must be slow (Nov. 10).

Underground Car Parks

The Minister of Transport stated in answer to Mr. Langford-Holt that he hoped to announce fairly soon his decision on the recommendations of the working party on car parking in inner London. Mr. Langford-Holt had asked for a statement about these with particular reference to the provision of underground car parks (Nov. 11).

London Unemployed

Lieut. Col. Lipton was informed by Mr. Watkinson, Parliamentary Secretary to the Ministry of Labour, that there were 4,601 building workers in the London region who were unememployed on Oct. 13, compared with 6,343 a year before. Lieut. Col. Lipton welcomed the reduction, but commented that even the smaller number was a bad waste of man-power in an essential sector of industry. Mr. Watkinson said the number represented only 2.2 per cent of the estimated number of male building employees in the area, and it also included the normal seasonal increase among painters temporarily unemployed (Nov. 10).



"Supalite" Mobile House, a fully mobile camp building produced by Messrs. Maycrete Ltd. In conjunction with Messrs. C. A. Burgess & Co. for use in the Middle East in connection with all prospecting. Several units, it is claimed, can be bolted together to form a Club House or similar building.



Mr. Bruce Martin, A.R.I.B.A., A.A. Dip. (Hons) recently appointed by British Standards Institution to lead an investigation into the application of modular co-ordination to building practice.

CORRESPONDENCE

Storage Space

To the Editor of A. & B. N.

Sir,—During my experience as an investigator for one of the political parties in this country, I visited many industrial centres and town communities. I also met and interviewed almost twenty-five thousand people within these areas.

Invariably, during my discussion with a housewife, the home and its architectural points of interest (or lack of them) was keenly commented upon. One of the most significant discoveries of these talks was the way in which a certain subject was constantly being referred to, especially among the housewives of the new communities, the housing estates and the smaller private homes. The subject was the problem of space, of storage space.

Now, the interesting part of this subject was the way in which most of the housewives were agreed on the method of overcoming the problem. Without exception, those who discussed the subject wondered why British architects rarely exploited the possibilities (for storage space) of the vacuum immediately under the roof.

During visits to many countries in Europe I can clearly recall, in each of those countries, the tremendous importance attached to "the loft."

The conversion of our own houses on the already completed housing estates obviously would be far too costly. But it ought to be possible to consider the question of providing the houses to come with access to this most valuable and much wanted space. If such a project were carried through I san affirm that many thousands of British housewives would be eternally grateful. I am, etc.,

R. H. GEORGE.

Letcombe Bassett

To the Editor of A. & B. N.

Sir,—There is a striking postcript to the record of the fight by the little Berkshire village of Letcombe Bassett to retain its own identity—a fight which The Architect and Building News so greatly helped, particularly by its leading article in the issue of December 10, 1948. This postcript, however, does not refer to the building of houses, although, happily, some are going up at this moment, but to something more lasting.

The recently published "Oxford Book of English Talk" (Oxford University Press) includes no fewer than nine pages of what was said at the broadcast from the village. It is, however, not the recorded talk of the main protagonists which is so dramatic, but the setting out in full of what a villager said. Mrs. Lissemore (spelt wrongly in the book at the moment), the owner of Arabella's Cottage, tells her homely tale. She, thereby, keeps company in the book with the immortals of her sex. Mrs. Poyser, Mrs. Proudie and Sairey Gamp. When the names of chairmen of councils and committees and of planning officers have long been forgotten, the name of the sturdy dweller in little Bassett who was not afraid to speak her mind will be on record in a famous Oxford series.

The whirligig of Time does, indeed, on occasion revolve quickly.

I am, etc., FREDK. T. BARRETT.

N.F.B.T.E. Birmingham Dinner

Mr. C. E. M. Fillmore, president of the Birmingham and Five Counties Architectural Association, speaking on Monday night, November 9th, at the annual dinner of the Birmingham Association of Building Trades Employers, stressed the need for men of wide and bold vision in the building industry.

One of the biggest problems today was that many buildings were too well built. Buildings of 50 years or more structurally perfectly sound were out of date by modern standards, or in the wrong place for planning requirements.

Layout and decent and efficient construction were receiving far more attention today, but while acknowledging the far-sightedness of the City Council, it would be a bold man who claimed that in present-day schemes the ultimate ideal had been reached, which in 50 years' time would still be regarded as being in accord with modern thought and needs.

There were buildings in Birmingham erected since the war of supposedly temporary character which were to be pulled down, not because they were inefficient structurally, but because they were out of date. He was not advocat-

ing asbestos and plaster houses, though they had manifest functions. All the same, prefabricated houses, with an original life of ten years could, if allowed to do so, remain for many more years. There was no real solution to the problem of temporary buildings. The Lord Mayor of Birmingham (Alderman G. H. W. Griffiths), reply-

The Lord Mayor of Birmingham (Alderman G. H. W. Griffiths), replying to the toast of the "City of Birmingham," said that very shortly actual building land in the city was going to dry up so far as the building of houses was concerned, but there were vast areas to be rebuilt with the added difficulty of being forced to build on old sites. He appealed for the assistance of the builders when the time came to

redevelop the city.

Mr. Eric A. Seal, deputy secretary to the Ministry of Works, congratulated the Midlands on being one of the most progressive areas in the country in the matter of building, and was one of the most go-ahead in Britain. It was here that new factories must be built, and the houses, schools, churches and public houses that went with them. It was in the Midlands also that the building industry would carry the greatest burden in the future. The local response to the challenge had been remarkable. Building work in the current programme in the Midlands amounted to £130,000,000, compared with £102,000,000 last year. If an increase such as that could be maintained the future was bright indeed.

Mr. W. Horsfall, president of the National Federation of Building Trades' Employers, said the Federation would resist the suggestions made in a resolution at the Labour Party conference that a national building corporation be set up and that direct building by local authorities be extended. The industry, he said, must always remain in the hands of private

enterprise.

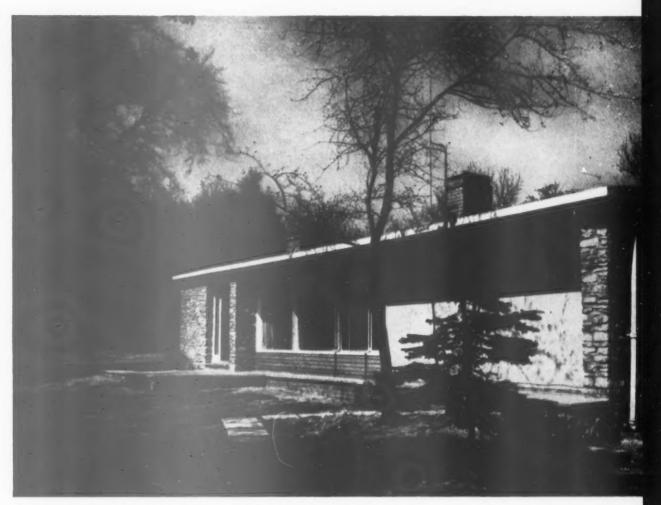
He said the employers are to fight a claim for 9d an hour increase by the employees, who are due for a 1d an hour rise in February. "Having already had the temerity to ask for a 6d rise, which went to arbitration and was turned down flat, there is very little in now making it 9d," he said.

The toast of "The Visitors" was

The toast of "The Visitors" was proposed by Mr. F. Russon, and Mr. A. G. Sheppard Fidler, City of Birmingham architect, in response, appealed for less emphasis on functionalism in building and more spiritual

character and grandeur.

Because of pressure of work in the Birmingham City Architect's Department, the City House Building Department has decided to engage private architects to prepare several schemes for shops on the new housing estates. It was also agreed to call for a comprehensive report from the City Architect on the construction of some of the new houses, particularly non-traditional houses. This follows strong complaints made at Tuesday's City Council meeting about bad workmanship on some of the municipal housing estates.



South elevation showing the living room windows and sliding door to dining space.

HOUSE AT STUDHAM. Bedfordshire

architect: MACFARLANE WIDDUP, A.R.I.B.A. (Peter Dunham Widdup & Harrison)

THE site is part of a ten-acre wood overlooking the village green and common of Studham, a small village on the Hertfordshire border near Whipsnade and the Dunstable Downs. The site was used, some twenty years ago, as a week-end retreat by the previous owners, who planted trees and shrubs in a glade 200ft. back from the road.

The house is sited in this glade and care has been taken in planning the layout to retain the existing cultivated trees. The natural trees are mainly Beech and Flowering Cherry.

Planning

The open type plan of the house required overall heating, and the system adopted makes use of two standard heating appliances—a domestic boiler in the kitchen and back boiler behind the Living Room fireplace. The

The house in its setting.







House at Studham

The living room looking towards the dining space. Owner's work space on the right. He is both owner and architect for the house.

Living room looking towards the fireplace. Storage unit on the left behind the settee is of natural Obechi, oak-faced ply and unpainted hardboard. The settee will be replaced eventually with a fixed seat.

The fully fitted kitchen which has a heatherbrown Quarry tile floor.



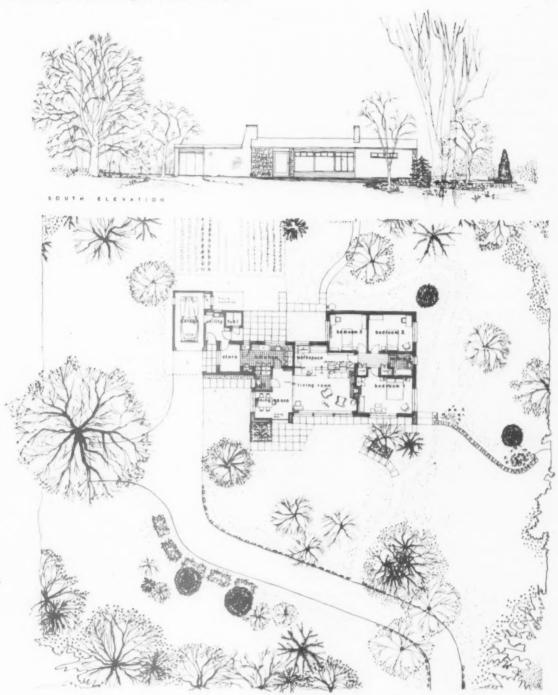
kitchen boiler serves radiators in the Hall, Dining Space of Living Room, Work Space of Living Room and Bedroom 3, and also the domestic hot water and space heating for the Kitchen. The Living Room fireplace back boiler heats the water for the Bathroom and provides radiation from a coil under the Living Room window, pipes in Bedroom 1 and a radiator in the Bathroom. The whole house, except Bedroom 2, the children's room, is therefore centrally heated using no

more than the normal solid fuel appliances usual in a house of this size.

The two plumbing units—Kitchen and Bathroom—are completely independent. Both have immersion heaters for summer hot water supplies. The Bathroom unit is time switched as well as being thermostatically controlled.

Construction

The site slopes gently in two directions, and the



solid concrete floors change level in two places to allow for this and give more interest to the large Living Room.

External walls are generally of 11in cavity brickwork. Facings are buff brown in colour, and part of common bricks colour washed white, and blue on the south-west elevation.

The weathered Cotswold stone was obtained from a demolished barn. The walls above and below the large window and over the garage door are of studding

with cedar wood boarding. R.S.J.s span over the large window and over the clerestory of the Living Room.

The roof is of 2in compressed strawboard laid on timber bearers at 2ft centres. These beams are exposed. In the Living Room they are of 9in \times 3in Aback hardwood and of painted 7in \times 2in softwood in Bedrooms 2 and 3. The strawboards are covered with three-layer mineralized felt and where exposed underneath are painted direct without plastering. The low ceiling of

the Work Space is finished in 12in × 12in perforated accoustic tiles under the clerestory.

Floor finishes are:—Heather Brown quarry tiles in the kitchen; $12\text{in} \times 12\text{in}$ light cork tiles in the Living Room and similar cork tiles in the Dining Space, but darker in colour. The remainder of the floor finishes are thermoplastic tiles.

The fireplace wall of the Living Room is plastered with a rough textured finish and painted blue-grey. The recessed part of this wall is papered with Line's "Mexico" designed by Armfield Passano, in a matching grey with yellow stripes and the movable shelves are of natural obechi. The wall by the sliding door of the Dining Space is papered with Line's "Early Bird" designed by Sylvia Priestley.

The curtains are of David Whitehead fabrics by Terence Conran and Marion Maher.

The storage unit is of natural obechi, oak faced ply and unpainted hardboard. It houses a built-in radio. It is the Architect's future intention to replace the settee shown in the photograph with a fixed seat.

The light fittings, shelf units, plant box and parts of the building and decorating most suitable for week-end unskilled work was made and carried out by the Architect, his wife and friends. The house was started in June, 1952, and occupied in December, 1952.

General Contractor: B. R. Parish

Accoustic tiles: Merchant Trading Co. Bricks—facings: Chesham Brick Co. Curtain Fabrics: David Whitehead, Ltd. Dining Furniture: Bowman Bros., Ltd. Chairs:—Hille—by Robin Day. Table:—Gordon Russell. Door Furniture: Dryad Metal Works. Drive and external works: F. Nodder & Co. Electric wiring: R. Clark. Flooring—cork and Accotile: Cabriel Wade & English. Garage door gear: Acrow Engineering Co., Ltd. Hardwood Beams: West African—Aback. Heating boiler: Crane, Ltd. Hot Water Engineers and Plumbing: B. F. Parish. Lounge Fire: "A.B." Fires; "Homer" Boiler. Metal Windows: Crittal Manufacturing Co. Paint and "Synflat": Smith & Walton, Ltd. Quarry tiles: Dennis Raubon, Ltd. Roof Slabs: Stramit Boards, Ltd. Roof covering: Standard Flat Roofing Co. Sanitary Fittings: Gibbs & Dandy, Ltd. Sliding door gear: Hillaldam, Ltd. Stone—Cotswold: Demolished barn—Milton-under-Wychwood. Stone—York: Low Giddings, Ltd. Venetian Blind: J. Avery & Co. Wallpapers: John Line & Sons & Sandersons.

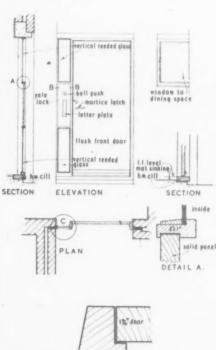


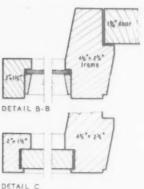
The house from the South-west.

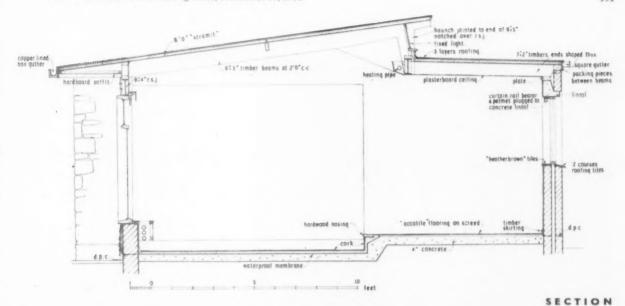
Living room by night



1" & 1 F.S. details of door





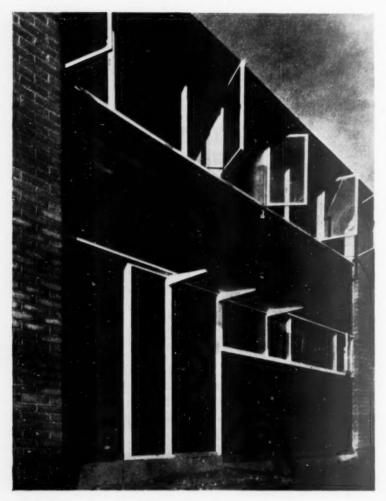


House at Studham

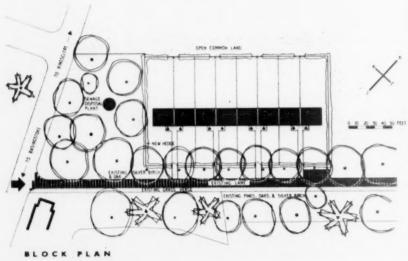
Entrance door and windows to dining space.



Low Cost Houses, Baughurst, Hampshire



Front elevation of a right-handed house.



FOR

KINGSCLERE AND WHITCHURCH R.D.C.

THE houses illustrated are known as "Highworth Houses." In 1951, the prototype pair of Highworth houses was completed at Highworth, near Swindon, Wiltshire. Shortly afterwards, on an adjacent site, a terrace of four houses was built to the planning standards of the Ministry of Housing and Local Government, Circular 38/51. Twenty similar houses, in terraces of four, have recently been completed at Kingsclere for the Rural District Council and the eight houses illustrated here have also been built for that Council.

The site which is about 5 miles from Kingsclere is level and is served by an existing country lane. Main drainage was not available and therefore a sewage disposal plant has been built adjacent to the site under a separate contract.

The contract figure for the eight houses was £9,200 or £1,150 per house which includes all normal external services and site works.

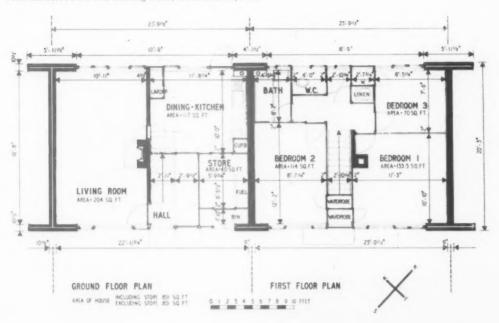
Construction

The houses are designed to use traditional construction in its most simple form where it provides the economic answer and only to abandon normal accepted methods where non-traditional, or "new traditional," methods save time and money.

End walls and party walls and ground floor intermediate cross-walls are therefore built of normal load-bearing blocks and carry all the loads. The ends of the party walls and end walls have returns on them to give them additional stiffness. The first floor is of normal timber joist construction but all joists are carried on the cross-walls. Herring bone strutting has been replaced by flexible metal reinforcing formed of two strands of galvanized wire twisted together and supplied in coils. The reinforcement forms a series of diagonal braces in tension between the joists and has enabled joist sizes to be reduced by 25 per cent. The roof is of traditional construction with the exception that the weight of the roof is transferred to the party walls by incorporating in the roof structure trussed purlins spanning from wall to wall. These trussed purlins are also used as scaffolding for gables, party walls and chimneys.

Foundations are economical as they are required only under the cross-walls. The external walls are therefore non-load-bearing and are, in fact, merely the apron strips situated below the ground floor and first floor windows.

Continued on page 599



ERIC CHICK.

designer

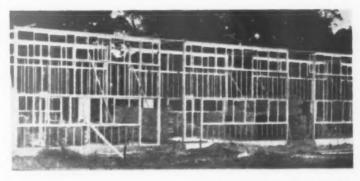
POWELL & MOYA,

Consulting Architects

DAVIS BELFIELD & EVEREST,

Consulting Quantity Surveyors

HOLLAND & HANNEN
AND CUBITTS,
General Contractors



An early progress photograph.

The completed terrace at Baughurst.



Houses. Baughurst

Continued from page 596]

In these apron walls, specialized prefabricated methods have not been used and the constructional methods allow the flexible use of alternative materials.

Here they are constructed as follows:

Woodwool slabs are placed in position and are held with specially designed hook nails which are driven into the surrounding frame. Light gauge reinforcing wire is then passed over the hook nails and across the face of the slab in a continuous length. When the reinforcing is in position, the hook nails are driven further in, to tension the reinforcing which is then stapled at convenient centres to the woodwool slabs. The faces of the woodwool slabs are then plastered in the usual way to form an extremely strong and rigid wall which, in effect, acts as a reinforced concrete beam, but one which requires no shuttering. It is automatically reinforced against cracking. To give cavity wall construction and a suitable perman-

rent finish for this rural site, creosoted weather boarding has been applied as an external skin to this wall.

Partitions are of reinforced plasterboard, i.e., plasterboard core, wire reinforced, as described for the external walls, and plastered. They are anchored to the door frames or the structural cross walls and form very rigid walls which, although only 13 in thick, have about equal sound insulation to that of light weight block partitions, plastered both sides and increase the effective floor area of the house by about 10 sq ft. The reinforcement prevents cracking. Partitions of this type have been in use now for over 5 years; in no case has any crack been observed.

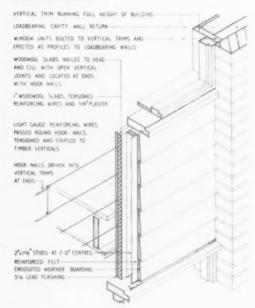
Weight of Materials

When the weights of materials handled during the erection of a normal brick built Council house are added up, the total reaches the figure of about 190 tons. Here, the weight of the materials has been reduced to about 120 tons, a reduction of over one-This saving has been reflected in the cost and third. in the time of erection.

Time of Erection

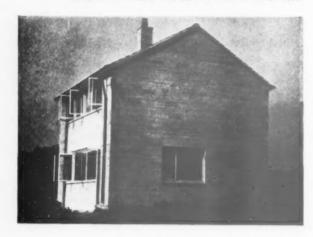
A small labour force was employed on these houses. Work was started in late June 1953 and completed early November, 1953. The recently published report dealing with speed of house-building gives for a traditional, brick built Council house, an average figure of 2,705 manhours with maximum and minimum manhours 4,645 and 1,565 respectively. In this it has been proved that the minimum figure could be reduced by up to 23 per cent.





LETTERS PATENT No 045530 PATENT APPLICATION No 19157/5 DESIGNS REGISTRATION Nos. 805560 - 62

ISOMETRIC OF TYPICAL NON-BEARING WALL AT FIRST FLOOR



A single house for a private client completed at Highworth in 1953 using stone end walls and rendered panels.



Terrace of four houses at Highworth of similar design to the Baughurst terrace but finished earlier (1952) and with rough cast spatter dash external finish. To the right is the first prototype pair of houses which were completed in 1951.



The new Hall from North-East-from the garden in front of the existing College buildings.

MEMORIAL HALL, SOUTHLANDS TRAINING COLLEGE

Architects: YORKE, ROSENBERG & MARDALL

T. R. EVANS, Associate

J. SOFAER, Assistant Architect

DESTING COLLEGE PRINCE STATE OF THE PRINCE STA

BLOCK PLAN

THE buildings of Southlands Training College for Women have been erected at different periods over the last 100 years and are spread over an area of eleven acres east of Wimbledon Common.

The college authorities wanted the new memorial hall to stand on the south-west part of the college grounds. Here a pair of existing stone stairs, dropping eight feet, bring one down to basement level of the existing college buildings, where the kitchen and boiler house are situated. From the stairs the site drops a further seven feet to the south boundary.

This part of the grounds was chosen so that the existing boiler house and kitchen could serve the new memorial hall and the existing stone stairs lead to its main entrance.

The memorial hall will be used for morning assemblies, dramatic production, concerts and other activities connected with the College.

The clients requirements for the new hall were:—
1. Assembly Hall to seat 300. 2. Fully equipped stage.

3. Dressing rooms and music practice rooms. 4. Gymnasium (not fully equipped) separated from the assembly hall by a sliding folding partition which, when thrown open, can be combined with the assembly hall to seat 480. 5. Foyer, cloaks and lavatories.

Design

The fall of the site dictated that the stage had to be on the south, which enabled the dressing rooms to be accommodated under stage level.

The two-way slope of the roof was conditioned by

the fact that the maximum height was necessary at the stage only, the gymnasium and the rear part of the assembly hall did not have to be as high.

Furthermore to have kept the assembly hall and gymnasium the same height as the stage would have made the sliding folding partition between the gymnasium and assembly hall too high, and the straight rectangular appearance would not have fitted on to the sloping site as pleasantly as the two-way slope.

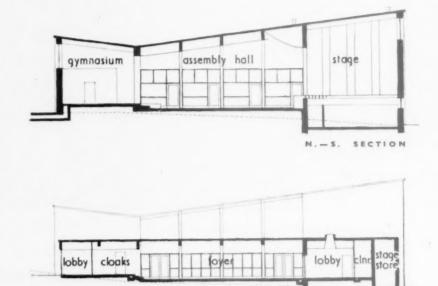
Continued on page 603

BLOCK

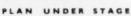
LOW

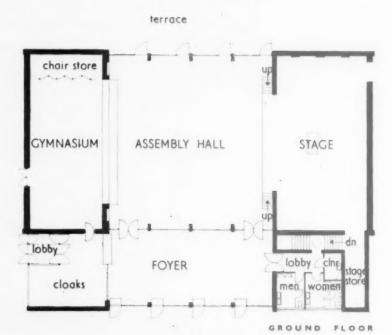
General Contractors: Hall, Bedall & Co., Ltd.

Sub-contractors: Asphalt Tanking: Excel Asphalte Co., Ltd. Built-in Fittings and Sliding Folding Partition: Rippers, Ltd. Concrete Tiles: Jaconello, Ltd. Cloak Fittings and Balustrades: Clark, Hunt & Co., Ltd. Dividing Screen, Curtain Glides and Rails: Tidmarsh & Sons. Doors: Gliksten Doors, Ltd. Electrical Equipment: A. H. Cornwall & Sons, Ltd. Heating: Norris Warming Co., Ltd. Hradwood Flooring: Hollis Bros. Irommongery: Alfred G. Roberts, Ltd. Roofing: Wm. Briggs & Sons, Ltd. Pitchmastic Flooring: Excel Asphalte Co., Ltd. Sanitary Fittings: Stitsons Sanitary Fittings, Ltd. Stage Lighting: Strand Electric & Engineering Co., Ltd. Stage Curtains and Tracks: Hall & Dixon, Ltd. Suspended Fibre Board Ceilings: Sundeala Board Co., Ltd. Suspended Plaster Ceilings: W. H. Colt (London), Ltd. Tiling: Carter & Co., Ltd. W.C. Partitons: Mosaic & Terrazzo Co., Ltd. Windows-Metal: Aygee, Ltd.







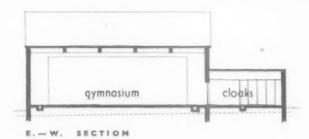


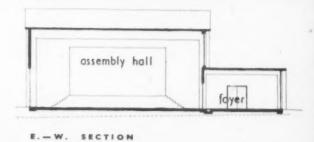
SECTION

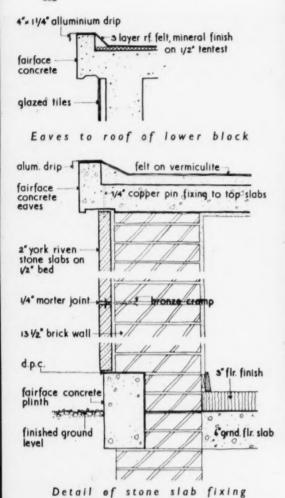
Memorial
Hall,
Southlands
College

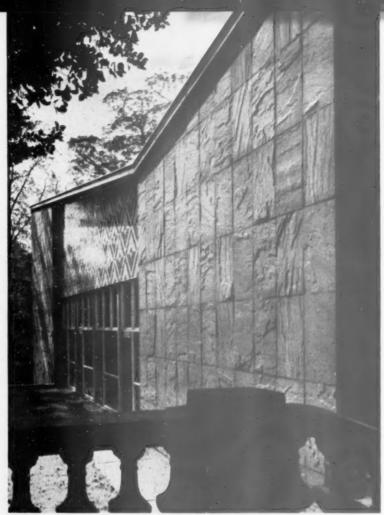


The South-East corner of the building. Windows to the Music Room and Dressing Rooms can be seen on the South face which is rendered light red. At high level is the door for taking scenery back-stage. The East front is faced with York Stone.





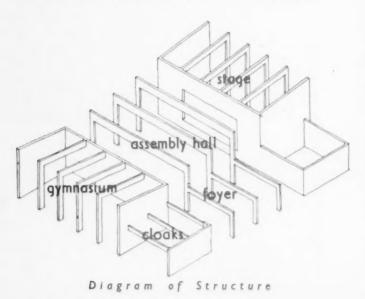


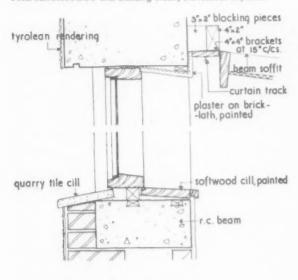


Above: A view of the East facade from the existing stone steps leading down to the terrace. Left: A view of the North facade with students preceding from the new Hall to the front entrance of the College. The tiles above the hall windows are terra-cotta and white.

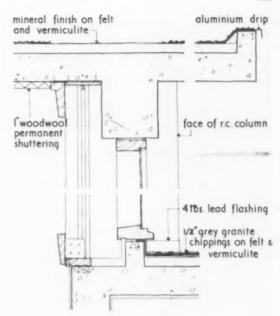


Memorial Hall, Southlands College





Typical Window Details



Construction

Three reinforced concrete frames span over the assembly hall. The east and west walls of the stage and the proscenium wall are load-bearing brickwork, the south wall is reinforced concrete, framed. The roof beams bear on to the proscenium wall. The gymnasium is constructed on the same principle, which is explained by the diagram on page 602.

The construction of the lower block consisting of foyer, cloaks and lavatories, is a mixture of R.C. frames and load-bearing brick walls.

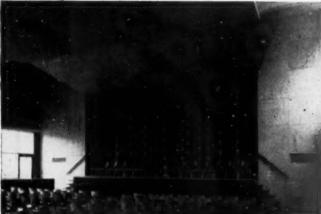
The external facings are York stone slabs, rendered brickwork and purpose-made tiles on the assembly hall block. Fair faced stocks and render are used on the lower block.

The West facade showing main doors to the Assembly Hall foyer, clerestory lighting to the hall and cloakroom windows on the right.

The stone steps down from the main entrance of the College can be seen in the extreme lefthand corner.







The Assembly Hall. The suspended ceiling is painted pale blue. The floor is Mahogany parquet. Curtains on the foyer side are coloured grey, black and white.

Detail, head of partition

The Stage. The sound board and sides of the stage are natural finished plywood. The front of the stage is faced with Mahogany slats on a black flock paper ground. The colour of the stage curtains is terra-cotta, grey blue, with white circles.

Memorial Hall, Southlands College bottom of r.c. beam

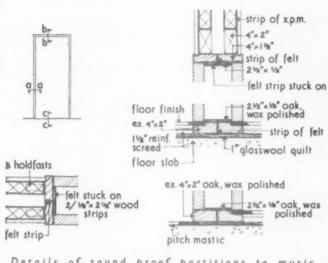
1/2° insulation board suspended

3/8° ply v-jointed at 3'0° c/cs. painted

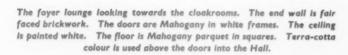
2° blocking pieces at 3'0° c/cs. painted

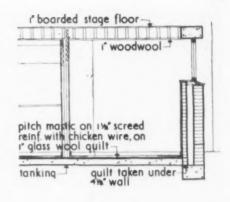
3"x7" packing piece fixed to r.c. beam with staggered bolts

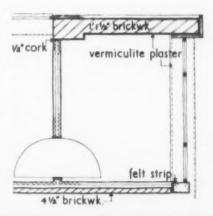
sliding-folding partition —plaster continued from hall clg.



Details of sound proof partitions to music rooms











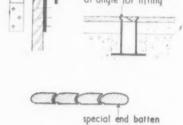
Sliding doors between the Hall and Gymnasium are faced with natural finished accousti-fibre board. The Gymnasium floor is Beech strip. A curved removable screen, used in the Gymnasium, is shown below and detailed on this page.

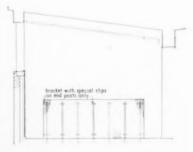


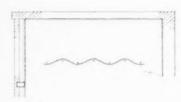
post, with 146 spacing tube on end posts only screen on intermediate posts

special clips at each end

post & brackets stove-enamelled white beech strip floor cylinder welded to 6° a 6° plate







Memorial Hall, Southlands College

SILVER JUBILEE BUILDING EXHIBITION Preview of Stands & Exhibits

A SELECTION of Stands and Exhibits to be seen at Olympia between November 18 and December 2 are described briefly in the following pages 607—621. The paragraphs are arranged in alphabetical order of exhibitors in order to conform with the Guide to the Exhibition published in our issue of November 12. The product of principal interest on each stand is printed in bold type at the head of each paragraph opposite the stand number. The name of the technical representative who will be present on the stand has been mentioned wherever possible. The A. & B.N. stand is No. 145, Row G.

A

ISB G/G Bricks
The Accrington Brick & Tile Co., Ltd., stand designed by Willink & Dod. Generous areas of brickwork showing off varieties of brick, also photographs and samples.

283, 284 O/N Plant A.C.E. Machinery, Ltd., are showing for the first time a new type of side runner hoist with one-ton capacity called the "Loadmaster." Also Comet Mobile platform hoists, winches, vibrators, and a midget scaffold hoist and jib.

319 R/N
Adam & Harvey (Rapid Hammer) Ltd.
are exhibiting the latest models of their
products, the R5 Hammer designed for ½in
threaded bolts and the R10 which is suitable
for both ½in and ½in Whitworth Threaded
bolts, and is supplied with interchangeable
barrels for this purpose.

653 /EG Timber Products
Aero Research, Ltd., Mr. A. H. H.
Tollemach on the stands demonstrating
the recently developed Ardux Wood Floor
tiles. Also showing, Acrolite synthetic
resin glass.

5, 6 A/G

Aga Heat, Ltd., stand designed by Arthur Braven, is centred around the new Agamatic water heater. Also shown are the Aga cooker, Model E, and an open fire boiler.

79 D/G Electric Water Heater Aidas Water Heaters are showing their new Sadia Select 3-gallon electric water storage heater as well as a selection from $l\frac{1}{2}$ to 60 gallons capacity.

379 X/E Compressors
Air Pumps, Ltd., are showing a selection of their diesel powered compressors, also the "Tralair," a mobile compressor run from a power take-off.

548 /NG

The Airscrew Co. & Jigwood, Ltd., have a cinema on their stand with a capacity for 50 viewers. Main theme of the exhibit is Weyroc which is shown with four finishes, natural, paper surfaced, veneered and plastic surfaced.

280 O/N

Alabastine Co., Ltd., technical representative is Mr. J. A. Hooker, who also designed the stand. The familiar demonstration of Alabastine's powers of expansion is accompanied by a demonstration of texturing a plasterboard ceiling with Alabascote without prior skimming.

636, 637 /EG Domestic Equipment
The Allied Ironfounders stand is designed
by Ronald Avery, M.S.I.A., and consists of
a replica of a house in Stockton-on-Tees
before and after being converted by the
company, the actual old-fashioned equipment is shown beside the modern replacements.

621 /EG Factory Made Buildings
All Purpose Building Co., Ltd., are exhibiting one of their range of R.S. Portal
Frame Buildings. These buildings are in
three standard designs of 40, 50 and 60ft
span, using lattice portal arches made up
of seven pieces, two stanchions units, knee
units and rafter units and one apex unit.
Bay spacing is 12ft 6in.

129 F/G Roofing D. Anderson & Son, Ltd., show for the first time, on a stand designed by the Design Research Unit, their new complete roof—"Anderson Aluminium 'E' Decking" which consists of light weight aluminium deck units, insulation and weatherproofing.

46 C/G Floor Coverings
Armstrong Cork Co. have a double-decker stand demonstrating floor finishes for kitchen, diningroom and lounge in various kinds of Accotile. Upstairs cork tiles are used.

488, 490 / GG Translucent Roofing Ashdowns Ltd., are showing corrugated translucent sheet material suitable for roofing and internal partitions, with various profiles to match existing iron, asbestos cement and R.P.M. sections. Fibreglass reinforced takes may also be seen on this stand designed by Kenneth Cheesman.

The main exhibit on the Associated Building Construction Developments (Raynes Park), Ltd., stand is the "Alborough" Precast Concrete Garage. The A.B.C.D. Coal Bunker is produced at the rate of 6,000 a year and will also be seen on the stand.

545 /NG Trade Association
The Association of Vermiculite Exfoliators have on their stand examples of all grades of vermiculite together with their various applications.

477 / GG Draught-Sealing Company are represented on their stand by Mr. J. K. Crawford, and are demonstrating their well known Bronze strip draught preventor.

517 /NG

Austin and Trimingham, representative
Mr. A. Trimingham, showing the "Aqualev"
an economic Water Level of great versatility.

217 K/G Plant
Aveling-Barford Ltd., are showing two
very popular items from their large range.
The Calfdozer and the half cubit yard
Dumper, the latter is capable of carrying a
load of over half a ton, or 7 cu. ft. of wet
concrete.

414/GG Blinds
J. Avery & Co., Ltd., are showing for the
first time a completely new electrically
motivated blind operable by remote control as well as their well known selection
of blinds, folding doors and steel furniture.



designer: Arthur Braven.

B

347 T/N, 638, 639 /EG Plaster Panels Bellrock Gypsum Industries Ltd., are represented by M. Farrer and are demonstrating a new type of panel produced on a semi-automatic press unit, as well as new methods of erection, a demonstration bungalow and a film illustrating the manufacture of the panels.

71, 72 D/G Plant Benford Ltd. have a fairly representative selection of their mixers and dumpers on their stand, including the ½-ton diesel dumper, the Benford power barrow, the little Benford mixer, a 5/3½ Diesel mixer, the "one bag" mixer and a 10/7 Diesel mixer.

408 / GG Precast Concrete Moulds Edward Benton & Co., are showing a selection of Creteangle metal moulds for the production of precast concrete posts, spurs, airbricks, etc. Also a patent adjustable paving slab mould. A new product exhibited for the first time is the Creteangle bar spacer machine.

360 U/E Brick Making Plant Messrs. Bentley & Garforth are exhibiting three different models of their Stipltex Rustic Brick Making machines, which turn green common bricks into rustic facings.

262, 263 M/N Pumps James Beresford & Son Ltd. are exhibiting

a comprehensive range of centrifugal pumps. Also to be seen is the patent Submersible Electric Pump which they claim is now employed in more than 85 per cent of the boreholes in this country.

413/GG Finishes
J. Berry & Sons Ltd. are showing their
Plastic surfaced boards in \$\frac{1}{2}\$ in and \$\frac{3}{2}\$ in thicknesses in fine linette colours, also Berboard,
a high density wood fibre board.

262, 263 M/N General Builders Merchant A. J. Binns Ltd., are exhibiting examples of architectual ironmongery, cloakroom equipment, and various types of chain link fencing on iron work and concrete posts.

339, 340 S/N Paint
Blundell, Spence & Co. Ltd., are showing
Pammastic for the first time on their stand
which is designed by Mr. Eric Mansfield.
Pammastic is a new emulsion paint which

may be applied to such surfaces as bare plaster, cement, brickwork, building boards, etc. Representative Messrs. W. L. Parkinson and C. E. Brix.

184 H/G, 201 J/G Gates and Doors
The Bolton Gate Co. Ltd. are showing a comprehensive selection of metal doors and gates, including the "B.B." Patent Multileaf Door, which is made on the overlapping principle and is particularly useful for lift gates. New are the "Glydover" steel Garage door and the "Superfold" door, which is covered with imitation leather of any colour.

323 R/N Woodworking Machinery S. N. Bridges & Co. Ltd. have on view a new ¼in General Purpose Drill and a new orbital sander. Other exhibits include a bolt rammer gun and general woodworking equipment, all of which are to be demonstrated on the stand designed by A. G. Rhodes.

442, 444 GG Wall covering
British Congoleum Ltd. are exhibiting
Congowall, a tile-like wall covering which
is supplied in rolls 4ft 6in high, incorporating
in capping strip in either contrast or
harmonic colour. Available in fourteen
colours, this new wall covering suitable for
kitchens and bathrooms. Representative
Mr. J. D. Lunan.

210 J/G, 175 H/G Woodwork Machinery British Equipment Co. Ltd. are exhibiting amongst their wide range of equipment the Tarplaner, an electric jack plane, and the Bosch electric impact hammer for ripping and wrecking.

381, 382 X/E Domestic Equipment
British National Electric Ltd. are displaying a wide range of electrical appliances
including cookers, water heaters, fires and
other space heating equipment. The stand
was designed by Jack Riches of Herald
Displays Ltd.

The British Rubber Development Board are displaying on their stand some of the many uses of rubber in building construction and civil engineering, with special emphasis on recent developments. These include rubber sheet and tile floorings, wall coverings in the form of sheet rubber, latexcement compositions, anti-vibration mountings, pipe joints, rubber for thermal insulation and anti-static rubber.

312, 313 Q/N Engines
The Brush Group are represented by
products from Petters Ltd., and The
National Gas and Oil Engine Co. Ltd.
Exhibits include Petters A1, PA2, AV2 and
PBV6 engines, and a N.G.O.E. 50 kW
diesel-alternator set.

93 E/G Joinery
Bryce, White & Co. Ltd., on a stand designed and constructed by the Company's own staff, are showing Doors, Mouldings, Joinery and Wallboards including many brands of hardboard, Weyroc, Stramit and other insulating boards.

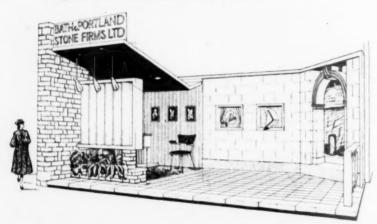
Burgess Products Co. Ltd., Acoustical Engineers, are exhibiting for the first time the Burgess Acoustic Tile. Another interesting exhibit is a piece of acoustically treated Duct work for ventilation purpose in which a high-speed fan is running.

343 S/N, 349 T/N Formwork
A. A. Byrd & Co. Ltd. are showing on



designer: E. F. Reynolds.

designer: Donald Hamilton, Wakeford & Partners.





Consolidated Pneumatic Co. Drill.



James Beresford & Son. Water Pump



British Equipment Co. Tarplaner. Cimex-Frazer Tuson. Scrubber.



this stand a multiple system of interlocking steel shuttering for in situ concrete construction.

C

38 B/G Plaster Products
Cafferata & Co. Ltd. are represented by
M. Hallam on their stand, and are exhibiting
Murite Gypsum Plaster and Murilite, a new
ready-mixed plaster.

281 O/N
Callow & Keppick Ltd. The main display on the stand consists of double-sided panels showing "Stonite" external renderings, scraped and spatter finishes in varying colours. One of the panels of "Stonite" Scraped Finish has an exposed corner to show the undercoat made up of "Stonite" Undercoat Binders, a new development of the Company, and a further panel displays in several colours another new product, "Stonite" Brushcoat.

261 M/N
The Cape Asbestos Company's stand is devoted this year to an exhibition of the properties and uses of the incombustible asbestos insulation board, asbestolux. This year an effective and thorough demonstration has been devised which proves that this incombustible material gives an exceptional degree of fire protection.

Tiles
The Carter Group of Companies stand is
designed by A. B. Read, R.D.I., C. Read was
consulting architect. In order to demonstrate the uses of their products Peggy
Augus, Gorden Cullen and J. R. Ledger have
designed special features utilizing the many
techniques in tile manufacture.

17, 18 B/G Builders Equipment Cayless Bros. (Battersea) Ltd. are represented by Mr. G. L. Dickson. A full range of ladders, trestles, barrows, trucks and trolleys are to be seen.

245 L/G Roofing
Cellactite and British Uralite Ltd. are
showing their full range of specialized building materials, including Cellactite sheeting,
Urastone flues and ducts, Kimolo Building
Board and Kimolo Bricks, partition blocks of
high insulation value.

30 B/G Building Boards
Celotex Ltd. are featuring a new Fire
Resistant Insulation Board and a new finish
called "Highlight," on ordinary insulation
board. Also Acousti-celotex.

Trade Association
The theme of the Cement and Concrete
Association's stand this year is the manufacture and use of concrete building blocks.
The stand has been designed to display to
the maximum the range of blocks available,
how they can be used and how to build
with them. Emphasis will be placed on
three different types of block; the normal
concrete building block, blocks with special
surface finishes and lightweight blocks.

422 GG Woodworking Tools
Central Tool and Equipment Co. Ltd., are showing their Centec Router together with a staircase stringer cutting attachment and a newly developed bench type Overarm Router Stand.

190 H/G, 195 J/G

Chadwick & Shapcott Ltd. are exhibiting their range of paintbrushes including Rubber Stippling Brushes for producing broken colour effects. Representative W. E. Piper.

186 H/G, 199 J/G Glass Chance Brothers Ltd. stand designed by H. T. Cadbury Brown, shows with full size sections of a living room, a bathroom and an office, the many and varied uses of glass.

8 A/G Locks
Chubb & Sons are exhibiting a selection
of Security locks and, in particular, the new
Metal Window lock for securing metal
windows, doors and fanlights. Also on view
is an illuminated model which demonstrates
a typical Chubb Master Key System, as
used in a factory.

185 H/G, 200 J/G Floor Maintenance Cimex-Fraser Tuson Ltd. are displaying a completely redesigned range of their well-known industrial floor scrubbing, drying and polishing machines. The three brush dual rotation patented movement has been retained but the mechanism is now totally enclosed and absolutely silent.

498 / GG Gates and Doors
Clarke Ellard Engineering Co. Ltd., are
exhibiting a new patented invention, a
partition that can fold or slide in two or
more directions.

260 M/N

The Coal Utilisation Council's stand has fourteen modern solid fuel appliances on view, four of which are demonstrated under fire. The stand has been designed with the object of emphasizing the need for correct selection of appliances and proper installation. A film strip explaining the installation of a convector open fire and an open fire with large back boiler are both being shown.

524 /NG
Electric Heaters
E. K. Cole's stand is designed by Design
Associates. They are demonstrating a
number of electric space heaters including
he recently developed Thermovent range.

435 / GG Tools

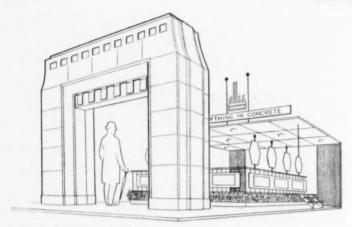
E. R. Cole Ltd. are showing a full range of portable electric tools, also Suction and Blowing equipment. Stand designed by Frank Turner Ltd.

W. H. Colt (London) Ltd. are exhibiting the very popular Cotterro Lath and also show a film on the same subject. Colt Cedar shingles are similarly dealt with.

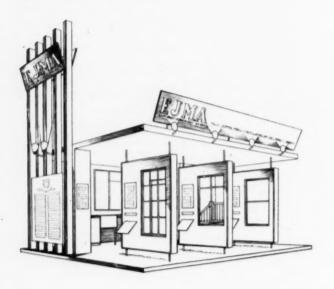
84 D/G Tiles
Colthurst, Symons & Co. Ltd., are showing a wide range of clay tiles. The stand was designed by F. H. S. Gabbutt and the representatives are Messrs. N. Venn and D. Goodey.

538, 540 NG Partitioning
Compactom Ltd. Representative Mr. J.
Bond. Demonstrating the Compactom
system of partitioning, the exhibit also
includes Compactom built-in fitment units,
suitable for the home and for hotels.

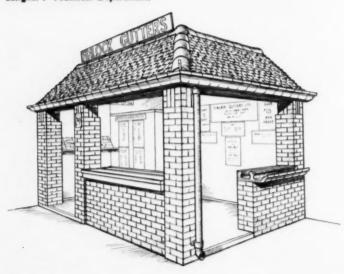
535 /NG
Condrup Ltd. are exhibiting the "Flash
Hammer," an improved type of cartridge
operated tool for fixing externally and
internally threaded bolts and rivets into



designer: Maurice T. Mitchell.



designer: Technical Department.



concrete, brick, steel, etc. This tool should be of very great interest to any firm wishing to cut their time and labour costs as it can offer a saving of up to 90 per cent on very many jobs involving fixings to concrete, brick and steel.

215, 216 K/G

The Consolidated Pneumatic Tool Co.
Ltd., are displaying new lines of builders
equipment using compressed air, i.e., the
C.P. One Hand Drill, a self-rotatingpercussive drill for one hand operation on
brick, stone and concrete.

532, 534 /NG Flooring
John Cooke & Son (Huddersfield) Ltd.
are introducing at the exhibition a recent
development in vertical double sound proof
glazing. Furniss '& Co. are showing the
"Furniss' system of lead clothed Patent
Glazing Bar among other exhibits on this
stand.

380 X/E Paint
Craig & Rose Ltd. The stand is the well-known "Superlite" house erected to enable all various types of paint used in house construction to be shown.

98 E/G Windows
The Crittall Manufacturing Co. Ltd. The
stand was designed by Ronald P. Radley to
exhibit a varied selection of examples from
the ranges of Crittall products, including
standard windows for housing, purposemade windows, pressed steel products and
various export types.

D372 W/E Dust Control
Dallow and Lambert & Co. Ltd. are showing pneumatic dust control equipment, the main feature of this year's Exhibition will be the "Dustmaster" which embodies entirely new principles.

547, 549 NG

Danaura Ltd. are demonstrating on a stand designed by David Esdaile & Co. Ltd. a light metal venetian blind of exclusive design, new to the British Market. Representative J. E. Price.

396 Y/E Woodworking Machinery
Danckaerts Woodworking Machinery
ttd.'s stand designed by F. Austen Ltd. are
making a point, this year, of showing only
new or re-designed machines. These
include a Six-Cutter Planer and Moulder,
a Double Drum Sander and a Multiple Rip
Saw. Representative T. J. Craddock-Jones.

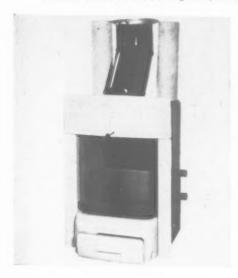
443 /GG Sludge Pump
Dandridge's of Greenwich are exhibiting
the newly developed Muckypump Diaphragm Sludge Pump as well as a selection
of J.A.P. and Lister Engines, Wickham and
Greenwich Pumps.

448 to 456 | GG | The Dept. of Scientific and Industrial Research stand is divided between the Building Research Station and the Fire Research Station. Both are demonstrating the various tests and experiments carried out by the departments. There is a cinema on the stand at which films will be shown.

481 /GG Radiators
Dimplex Ltd. are showing a full range of
their radiators and a certain number of new
features, which will include a new flameproof and gas-tight oil-filled electric radiator.

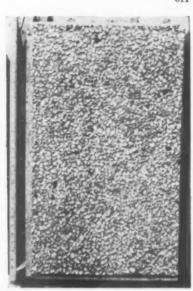
52 C/G

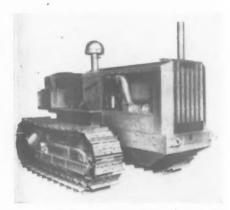
Dohm Ltd. are showing Vermiculite used in two new forms, i.e., suspended ceilings





Sidney Flavel & Co. Ltd., Left: The Metro Boiler Convector Unit and above: Newbold Continuous Burning Grate. Right: John Ellis & Sons, Granite Faced Precast Slab.





John Fowler. Challenger I Diesel Tractor.



Harry Ferguson, Industrial Tractor with Post Hole Digger.

and structural blocks. Dohmiculite, a new plastic jointless flooring is also exhibited. Representative D. D. Redcliffe.

152, 153 G/G Tiles G. H. Downing & Co. Ltd. are exhibiting a selection of their roofing tiles, quarry tiles, engineering bricks and partition blocks. Representatives are Messrs. A. Eardley, G. Nicholson and R. Walker.

316 Q/N Roofing
Durasteel Ltd, are showing corrugated
Roof Lights in Galt-Glass fibre laminate for
the first time in contours to match Durasteel
Roofing and ordinary Asbestos Cement
profiles. Representative Messrs. R. S.
Keith and C. J. Olivant.

E

154 G/G General Builders Merchants Eastwoods Ltd. are showing a comprehensive selection on their two-storey stand of their brick and cement products, including centrifugally spun pipe, sanitary ware, wall boards, tiles, paint and ironmonery.

The Eclipse Rail-Track Ladder Co. Ltd. are showing a selection of two, three and single section ladders, including their "Eclipse" Rail-Track rope operated, "Eclipse" push-up, "Service" rope operated, and "Service" push-up types.

386 X/E Lighting
The Edison Swan Electric Co. Ltd. are showing for the first time the "Unilux"
5ft 80-watt fluorescent single-lamp batten fitting, also a new fitting for 2—5ft 80-watt fluorescent lamps suitable for a wide range of contemporary light installations, and many other recent developments from their range.

285 O/N Cement Products
John Ellis & Sons Ltd. are exhibiting a selection of their cement products which include reconstructed stone, granite concrete paving slabs and curbs, precast floor beams and various cement paints.

40 B/G Sliding Doors
Esavian Ltd.'s stand is designed by
James Leonard, F.S.I.A. The Esavian principle of slide and fold is shown in three

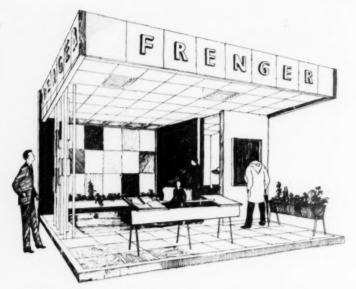
new applications, a heavy duty door in aluminium, a glazed loggia door and internal domestic screen based on B.S.S. leaves. Representative Howard Baker.

The Expanded Metal Co. Ltd.'s stand was designed by G. Simonek and shows a comprehensive selection of Expanded Metal products for building and structural work. These include "Ribmet," 'Expamet," Super "Ribmet' and 'Aerodome' floor units. Representative E. J. Flight, A.M.I.C.E.

378 X/E

Harry Ferguson Ltd. are exhibiting their tractors and implements for the first time at the Building Exhibition. The Stand was designed by A. L. Ward, representative R. H. Croydon.

55 C/G Stairtreads Ferodo Limited are showing their various selection of stairtreads in aluminium panels. These are available in a comprehensive



designer: Cecil C. Handisyde.

colour range, red, white, grey, green, blue, brown and black, and, being non-slip when wet they can be used out of doors.

241 L/G Insulation 241 L/G Insulation
Fibreglass Ltd.'s stand is designed by
A. S. Buckley. The products on show
consists of thermal insulating materials
supplied for the structural insulation of
houses, factories, etc. Fibreglass quilt,
unbacked fibreglass wool and rigid sections
for pipp insulation may be seen. for pipe insulation may be seen.

12,13,14 A/G General Builders Merchants B. Finch & Co. Ltd., the Finch Organisation supplies a great variety of building products, e.g., fireplaces, the Finch chimney throat unit, the "Clofit" system of cloakroom fittings, bathroom and kitchen equipment and a separate section is now devoted to what is known as Unimer Tubular Steel buildings.

Flooring 543 /NG L. Fishburn are demonstrating "Roflex Resin Flooring as an in situ floor which is spread cold with a trowel and dries to a tough flexible continuous surfacing of about 16 in. thick. Representative, Mr. B. Doody.

Bricks Fisons Ltd. This stand has been designed to show to advantage the various types of Burwell kiln-fired Gault bricks, widely used either externally or internally, where light reflections or a light effect is required.

321. 322 R/N

492-494 GG Paint
Goodlass, Wall & Co. Ltd. are showing
their attractive up-to-date colour ranges
together with steel plates and sections
depicting recommended painting speci-

Plaster products The Gotham Co. Ltd. and The Carlisle Plaster & Cement Co. Stand is principally concerned with Carlite Plaster, which contains vermiculite. Also shown a complete range of gypsum plasters including Herculite plaster. Representatives Messrs. H. Smyth and J. A. Hare.

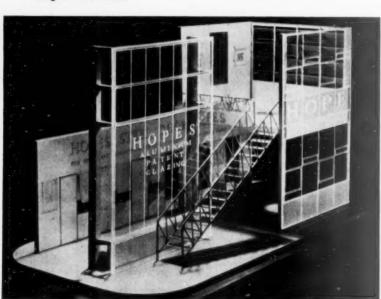
244 1 G Space heaters Gulf Radiators Ltd. are showing for the first time the new Gulfray wall radiator and convector, as well as their Hurdapta fire, and the well known oil filled gas, electric and paraffin operated radiators supplied by their associated company Hursaal Ltd. Hurseal Ltd.

I 49 G/G Plaster products
Gyproc Products Ltd. stand is exhibiting the latest developments, Acoustic Gyproc, Gyproc Cove, Recessed Edged Gyproc Wallboard and Gyplite Plaster.

H

346 T/N Brushes Hamilton Co. (London) Ltd., are demonstrating their range of brushes used in the maintenance of electric installations which are made without metal of any description.

designer: S. E. Ware.



266 N N **Fireplaces** Sidney Flavel & Co. Ltd. are showing a selection of their back boilers and grates. These include the Finned-Back Boiler with Newbold Grate, which has a special gas attachment for summer water heating. Representative Mr. S. C. Grimwood.

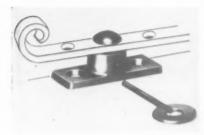
304,305 Q/N General Builders Merchants W. N. Froy & Sons Ltd. are displaying a range of contemporary fireplaces, modern heating stoves and convectors and the latest oil and gas appliances. Kitchen and bathroom fittings may also be seen with a selection of architectural ironmongery.

89 D/G Factory Made Buildings Gardiner, Sons & Co. Ltd. are demon-strating the Thermagard Mark III system of construction for schools, which is based on the 3ft 4in horizontal module and the 2ft vertical module recommended by the Ministry of Education.

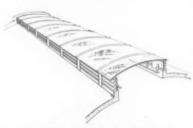
144 G/G Doors J. Gliksten & Son Ltd. are demonstrating their "fitted door" service whereby doors can be supplied completely fitted with locks or latches and door furniture of high quality. They are also showing a new structural panel known as "Glinex" which may be used for sound and thermal insulation, for flush doors and a host of other constructional purposes.

are exhibiting three new pumps all self-priming centrifugal and powered by air-cooled petrol engines. Representatives cooled petrol engines. Representatives Messrs. F. G. Goodenough and W. A.

Goodenough Contractors' Machinery Ltd.



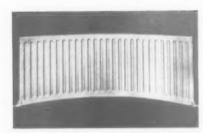
Leetex. Casement Stay Lock.



T. & W. Ide. Steel Curb and Lining.



Goodenough. Self-Priming Pump.



Gulf Radiators. Curved Steel Radiator.

Hilmor. Mandrel Attachment.



The stand is designed by F. Austen & Sons Ltd. Also shown, comprehensive range of painters and decorators brushes.

150, 151 G G General Builders Merchants G. A. Harvey & Co. (London) Ltd. are exhibiting a newly designed manhole and cover to fit in their hot water tanks, a new range of chimney cowls for fitting on to prefabricated houses and a comprehensive selection of diverse merchandise.

563 NG
Office Equipment
M. & L. Haycraft Ltd. are showing the
Agaphone Dictating Machine which with
wire in a magazine will give up to 60 minutes
continuous recording. The machine is
compact and portable.

253 L/G Domestic Heaters Hemel Hempstead Engineering Co. Ltd. are exhibiting for the first time the Suxf Solid Fuel Burner which uses small coke or coke breeze with automatic control and feed, this can be seen in operation on the Stand.

437 GG

B. Heyman is showing his wall-painting and patterning devices including the newly developed twin-roller model, a 3-inch container model, and many others.

23 B G

Bending Machinery

Hilmor Limited are showing for the first
time a Mandrel Attachment for use with all
Hilmor bench model and portable machines
which ensures the production of perfect
bends in copper tube up to 2in dia.

Holoplast Ltd.'s stand is principally concerned with their cavitied structural panel besides showing examples of "Corroplast," "Decorplast" and "Chequerplast."

310 Q/N

Ideal Boilers & Radiators Ltd. are devoting a large proportion of the Stand to "Standard" Sanitary Appliances. Also the number 2C Neofire, "Autocrat" thermostatically controlled domestic boiler.

86, 87 D/G Roof Coverings Imperial Chemicals Industries Ltd., both Metals and Plastic Divisions, are showing a Stand this year. The Metals Division exhibit is devoted to the many applications of its wrought non-ferrous metal products in building. The Plastics Division's section of the Stand is demonstrating the many aspects of P.V.C.

377 X/E

Impregnated Diamond Products Ltd. are exhibiting for the first time the G.F.12 True-cut Stone Saw, on a Stand designed by James White (Industrial Artists) Ltd.

389 Y/E Woodworking Machinery Interwood Ltd. are showing a number of new machines for the first time, including a Heavy Duty Electric High Speed Router with compound moving table, Twin Vacuum Veneer Press with Mobile Electrically Heated Dome and a Single and Multiple Straight Line Edger.

247 L/G Domestic Boiler Janitor Boilers Ltd. are exhibiting for the first time the Type A anthracite automatic boiler.

436 / GG Rust Removers

Jenolite Ltd. are showing rust removers
and neutralisers, a chemical sealer, a paint
stripper and a wiping degreaser.

179 /HG, 206 /JG Electric Hammer Kango Electric Hammers Ltd. are exhibiting and demonstrating for the first time an entirely new type of Kango Electric Hammer called the Type "H" Breaker, as well as

their standard range.

233 K, G

W. Kennedy Ltd. are showing the full range of their bending machines including a newly developed Sharp Radius Tool. Representative Mr. W. H. Kennedy who also designed the stand.

337 S/N Waterproofer
Kerner-Greenwood & Co. Ltd. are
demonstrating the waterproofing properties
of their well-known "Pudlo." A Fire
Cement "Feusol" is also shown.

392 Y/E Woodworking Machinery
Kine Engineering Co. Ltd. are showing
the "Multico" Mortising Machine for the
first time. Also a selection of their Saws,
Planers and other Woodworking machines.

410 / GG Plumbing, Sanitary Fittings Kings Langley Engineering Co. Ltd. are showing a full range of the well-known "Kingley" Manipulative Compression joints for light gauge copper tube. As well in the "Kingley" Senior range of fittings.

28 D/G

Lafarge Aluminous Cement Co. Ltd. are demonstrating both Ciment Fondu and a Refractory Concrete. The rapid hardening properties of Ciment Fondu will be demonstrated daily.

Langley London Ltd. are exhibiting their range of Clay Roofing Tiles, Floor Tiles, Cill Tiles, Quarries and Fine Ceramic Floor Tiles in a range of colours. Also showing Langboro Waterproof Building Paper, Nuralite, Friesalux, and Salt Glazed Stoneware Pipes.

189 H/G, 196 J/G Trade Association
Lead Industries Development Council are
showing a new travelling exhibit, the third
of a series that have been made available for
the use of technical schools. The stand
was designed by C. F. Denny.

26, 27 B/G
Leaderflush Ltd. are showing a complete range of their flush and panel doors, wood casement windows and flooring blocks. Representative Mr. B. Newton.

227, 228 K/G Fireclay Products
The Leeds Fireclay Co. Ltd. are exhibiting
a range of their products which includes
Partition Blocks, Faience Slabbing, Constructional Terra Cotta and their wellknown "Imperial Porcelain Sanitary Ware."

53 C/G Brushes
Christopher Leng & Sons Ltd. are show-

ing "Vulkaset" painting, varnish and distemper brushes. The Nylofil Series of processed nylon brushes are shown for the first time.

I 28 F/G Asphalt
The Limmer & Trinidad Lake Asphalte
Co. Ltd. are demonstrating the many applications of asphalt to the building

industry, i.e., roofing, flooring, and dampcoursing. Other exhibits include examples of Trinasco surfacing for Footpaths, Playgrounds, etc., and Trinasco Concrete Products.

271 N/N

Liner Concrete Machinery Co. Ltd. are exhibiting the "Cadet" Mixer, "Junior" Mixer, "Cloverleaf" Tilting Drum Hopper Fed Mixer together with many others.

640, 641 /EG Trade Association
The Linoleum Manufacturers' Association
are exhibiting here for the first time, their
stand draws attention to the many and
varied uses to which linoleum can be put.

172, 172 H/G, 212, 213 J/G Plant R. A. Lister & Co. Ltd. are exhibiting the complete range of Lister F.R. Diesel Engines which are shown for the first time. The range consists of 1, 2, 3, 4 and 6 cylinder models of from 8 to 54 h.p.

159 G/G Scaffolding London & Midland Steel Sacffolding Co. Ltd. A complete range of Burton Patent "Double-Grip" System is on view and includes Burton's Heavy Duty Aluminium Alloy Tubing to B.S. 1476 which is now again available.

97 E/G
London Brick Co. Ltd.'s stand was designed by John R. Harris, A.R.I.B.A. The exhibit consists of six display piers showing the various types of brick manufactured by the Company and a series of photographic panels illustrating production and other activities.

148 G/G
The London Sand Blast Decorative Glass
Works Ltd. are showing all types of lettered
and decorated glass, including Mirrors, plain,
decorated and coloured.

73, 74 D/G Floodlighting Arthur Lyon & Co. (Engineers) Ltd. are exhibiting a trailer mounted 5 kW diesel generating set with floodlight projectors mounted on the top. Other products displayed will include a small portable direct lighting unit, and the Alcon centrifugal, self-priming pump.

19 B/G
Lyte Ladders Ltd. exhibit includes a comprehensive display of Single and Extension Ladders, Step Ladders, Painters' Trestles, Fruit Picking Ladders and Tripods.

M

394 Y/E Woodworking Machinery G. & L. Machinery Ltd., are represented by Mr. Grant. As well as a variety of saws, moulders and a large range of cutting tools this firm is also showing Precision Band and Circular-Saw sharpening machines which are complete with setting attachments.

are complete with setting attachments.

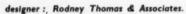
100 E/G

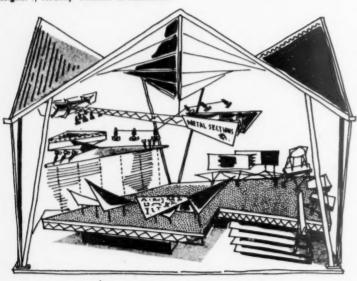
William Mallinson & Sons Ltd.'s display has been designed by Clive Latimer; the exhibit comprises examples of all the

exhibit comprises examples of all the various forms of material with which the firm deals. Plywood is dealt with extensively; examples are shown of veneered panelling and Lydneyboard is also included in the exhibit.



designer: John R. Harris.











181, 182 H/G, 203, 204 J/G

The Marley Tile Co. Ltd.'s stand takes the form of the familiar Oasthouse, a full range of all types of Marley roof tiles are displayed, including Plain—both flat and cross-cambered, Westwold, Ludlow Interlocking Tiles, Anglia Pantiles and Yeoman Tiles.

187 H/G, 198 J/G Reconstructed Wood Masonite Ltd. are represented by Messrs. W. Garner and J. C. Morl. This exhibit portrays the various types of Masonite Presdwood and includes Enamelled Presdwood and the latest product, Plastic Tempered Presdwood.

630, 631 /EG Factory Built Houses
Maycrete Ltd.'s stand consists principally
of a Maylin 2-bedroom house designed
particularly for the tropics. A model and
photographs of "Supalite" construction
will also be shown.

Prefabricated Buildings Medway Buildings & Supplies Ltd.'s stand is principally devoted to the announcement of a new system of prefabricated construction shown for the first time. The Medway "Plyskin" system of prefabricated stressed skin panels used in conjunction with laminated timber posts.

IO A/G

Meta Mica Ltd. are showing for the first time four new products, Ceiling Panels, Fire Cladding, both of Meta Mica; "Rocksil" insulation and Cork Flooring tiles. Other exhibits include Cork Board, Vermiculite Plasters, Vermiculite Screeds and "Rocksil" Quits.

306 Q/N Timber Montague L. Meyer Ltd.'s stand was designed by Mr. C. L. Slater. The main theme this year is to stress the wide scope of their activities in this country and overseas, both as producers in the forest and as suppliers from all the timber producing areas to any port in the world.

257 M/N
Midland Bank Ltd. are providing a complete banking service on their stand, and all exhibitors and visitors—whether customers of the Bank or not—are invited to make use of these facilities.

258, 259 M/N Plant Millars' Machinery Co. Ltd. are exhibiting Concrete Mixers and Pumps from their comprehensive range of builders' and contractors' plant, including the 5-T Concrete Mixer, 10/7-BL Concrete Mixer, 7-NT Concrete Mixer and the 4in Single Diaphragm Pump.

121, 122 F/G

Mills Scaffold Co.'s exhibit includes many new features in scaffolding products which are illustrated by photographs. A projector has been installed in the stand which will show films of scaffolding achievements. On view is a large selection of Builders' Equipment, including all types of scaffolding and shuttering.

designers :

Top: Clive Latimer Middle: W. Watkin. Bottom: Cyril S. Denny. 331 S/N

Milners Safe Co. Ltd.'s exhibit at the Building Exhibition includes two types of Steel Rolling Shutters. One of the shutters on display can be either electrically controlled or operated by a winch handle, and the other is self-coiling or operated by means of chain gearing. A full size strongroom door will also be on show and a light fire-resisting door known as the "Viaduct," suitable for book rooms. Representative, Mr. T. Sandercoe.

652 /EG Ornamental Ironwork
Molesey Sheet Metal Works are represented by Mr. Griffin. Various designs of reasonably priced ornamental iron gates and panelling are on show.

163 G/G Shuttering A. B. Mould & Construction Co. Ltd. are showing for the first time Shutterlock Waling Clips, which allow Steel Shutter Panels to be locked together without any nuts and bolts, and at the same time support standard scaffold tubes for bracing: they are also showing a selection of their standard shuttering.

412/GG Cork
Mundet Cork Products Ltd. are represented by Mr. J. W. Burnett. A wide variety of cork products and their various uses are shown on this stand.

434 / GG Pre-cast Floors Myko Floors Ltd.'s stand was designed by R. A. Spitz. Showing for the first time are pre-stressed floor beams for use with Myko floors for longer spans.

N

442, 444/GG
Michael Nairn & Co. Ltd.'s stand was designed by Neville Conder. Shown for the first time are Nairn's Newhouse Tile, a low cost P.V.C. Floor Tile made in two qualities—\(\frac{1}{8}\) in and \(\frac{1}{15}\) in and available in a range of twenty bright colours.

267 N/N
H. R. Nash Ltd., represented by Mr.
H. R. Nash, is introducing the new Nash IO,
a 4 wheel dumper capable of carrying
½ ton at 10 m.p.h. They are also showing
a selection of their range of plant.

39 B/G Trade Association
The Natural Asphalte Mine-Owners and
Manufacturers Council are displaying
samples of asphaltic raw materials, examples
of blocks of Standardised Mastic Asphalte
as delivered to the building site; photographs and models of details of application
of mastic Asphalte, illustrating the adaptability of asphalte to the requirements of
the designs of modern architecture.

274 N/N Kitchen Equipment
Nevastane Products are represented by
Mr. F. G. Bailey. Two complete displays of
Nevastane Kitchen Equipment, together
with a range of Nevastane stainless steel and
porcelain enamelled sink units, may be seen.

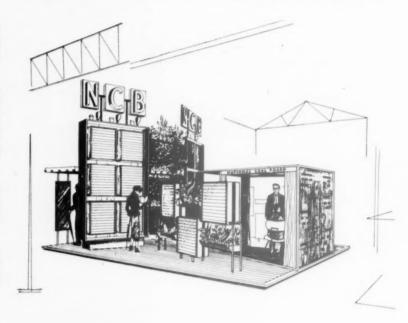
446/GG Structural System
H. Newsum, Sons & Co. Ltd. are showing
a 34-foot long Trofdek Unit of a total area
of 182 feet super weighing only 2½ lb per

sq. ft., for the first time. This unit is an element of what has become known as the Trofdek Structura! System, available for roof spans up to 24 feet and floor spans up to 20 feet.

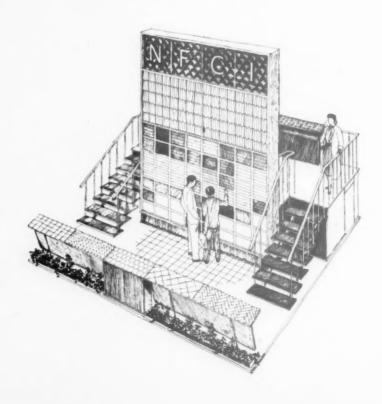
188 H/G
Noelite Ltd. are represented by Messrs.
A. J. Neilson and P. C. Thomas on their stand designed by L. H. Nixon. An area of

the stand will be paved with Noelite in many of the sizes and some of the colours in which it is manufactured. Various types of dwarf terrace and boundary walling are also shown.

64 C/G Plant
Nortons Plant Hire Ltd., are showing
examples from a wide range of Trenching
Buckets built to the registered Design No.

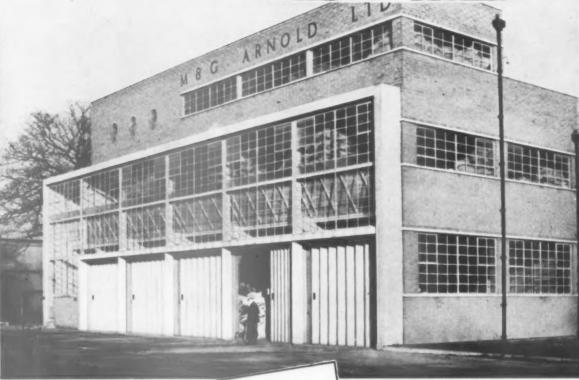


Stands designed by Cecil C. Handisyde.



EVERYTHING UNDER CONTROL

BOLTON COLLAPSIBLE DOORS & GATES



BOLTON DOORS

Keep out dust

Keep away vermin

Keep down fire-risk

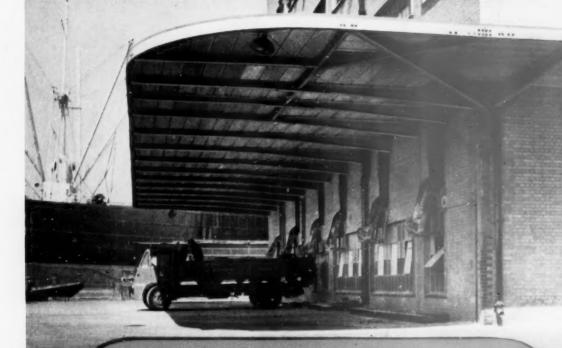
Keep up appearances

The five single BOLTON Patent
Shutter Doors illustrated were delivered and erected at the premises of
Messrs. M. & G. Arnold Ltd.,
Lutterworth, the architects in
connection with this installation being
Messrs. Symington, Prince & Pike.
BOLTON Patent Shutter Doors are
available in sizes up to a maximum
of 200 ft. wide by 30 ft. high. Our
fully-illustrated catalogue A.B. '53
will give you all details of the extensive
range and applications of these doors.

London Office: 248 Perth Road, Ilford, Essex

BOLTON GATE COMPANY LIMITED, BOLTON, LANCASHIRE





LIGHTNESS with STRENGTH

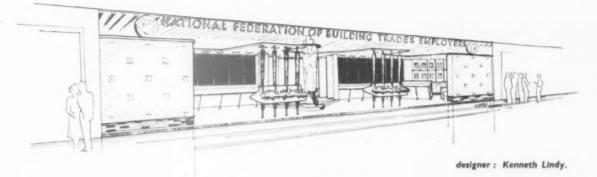
"TURNALL" CAVITY DECKING

This photograph illustrates the adaptability of "TURNALL" Cavity Decking used for covering a cantilevered canopy of exceptionally wide span.

TURNERS ASBESTOS CEMENT CO LTD

TRAFFORD PARK

MANCHESTER 17



864635. Also on show is a $\frac{1}{8}$ cu yd Dragline Bucket. Representative, Mr. U. G. Norton.

248, 249 L/G Roofing
Nuralite Sales Ltd. are exhibiting the new
Asbestos-bitumin roofing material, demonstrations of cutting, moulding and joining
Nuralite will be carried out on the stand.

0

600, 602 EG

Orlit Ltd. are using their stand to demonstrate their system of pre-fabricated, concrete framing. A model of a factory with ancillary buildings showing the various forms of Orlit construction is on view. Stand designed by Kenneth Lindy, Joseph Hill & Partners.

469, 471/GG Woodworking Machinery William Osman is showing machinery manufactured by F. W. Kuback & J. Watts Bros. (Sheffield) Ltd. New models include a 14in General Purpose Sawbench, a Spindle Moulder, and a Bandsaw.

P

457 / GG Tiles
Packard & Ord Ltd. are exhibiting
examples of the use of Hand-painted Mariborough Tiles in Underglaze and on-Glaze
colours in Fireplace, Splashback and Bathroom.

655 /EG Flooring
Panel Parquetry Ltd. are represented by
D. R. Filkin. On show is a new system of
pre-fabricated interlocking flooring giving a
parquet finish 5 in thick.

296, 297 P/N Plant Frederick Parker Ltd., are exhibiting the widest range possible of their products, from concrete mixers of different sizes, a roller pan mixer and, for the first time, a portable belt loader.

Paint Pearl Varnish Co. Ltd., represented by Dr. S. Kut, Ph.D., are showing for the first time their new "Seculate" Anti-condensation Paint, designed to prevent condensation under the most severe conditions. In addition the Company is exhibiting a wide range of decorative and protective coatings.

102 E G Plumbing
Peglers Ltd. have on view a very wide
selection of plumbers and engineers Brassfoundry, including "Prestex" Compression

joints revised for B.S.659 and B.S.1386, improved hygienic traps for basins and sinks and Combination sink and bath mixers, including the recently introduced "Prestex" Dual Flow Swivel Nozzle sink fitting for direct mains use.

59 G/G Plant Pegson Ltd. are showing a representative selection from their wide range of Contractors Plant including self-priming centrifugal, plunger and diaphragm pumps, road rammers and rippers.

320 R/N
Philips Electrical Ltd. are demonstrating their range of floodlights for building work, and an interesting and novel use of infra-red heating for workmen in static positions, or using hand-numbing machinery in cold weather.

220 K/G Pixing Philplug Products Ltd., represented by Messrs. Sargeant, Garratt and Winter. Exhibits include a new application of P.C.4 Philplug Cold Caulking Compound Cord in place of lead or cement for the fixing of iron railings, balustrades, etc.: Philplug Inserts, Anchor Bolts and other fixing devices.

368, 369 V, W/E Woodworking Machinery John Pickles & Son (Engineers) Ltd., who incorporate A. Ransome & Co., are exhibiting a representative range of their sawmill and woodworking machinery, which includes a patent Twin Stair Trenching Machine, Type ST, an Automatic Finger Feed Surface Planing Machine, Type J4f, a type ID, 4in x 3in, all-electric, 5-cutter, Planing and Moulding Machine, and a high-speed, under-driven Roller Feed Sawbench, Type LU.

Pilkington Bros. Ltd.'s stand designed by S. M. S. Sternfeldt in the theme "Making the most of Light." The exhibits show the use of Plate Glass, "Insulight" Double Glazing Units, "Insulight" Hollow Glass Blocks and "Armourplate" doors, fixed in all-"Armourplate" glass surround.

351 T.N Glass
D. W. Price & Son Ltd. are exhibiting
Vitrolite opaque glass wall linings and
demonstrating its resistance to stains, water,
steam, grease and all acids except hydrofluoric.

497, 499 GG
The Pyrene Co. Ltd., Cellular Products
Division, are exhibiting the "Phomene"
Light Concrete Process, a method of making
aerated concrete in a wide range of densities,
which may be accurately controlled. Also
"Phomene" Mortar Plasticizer for making

lean mortar mixes smooth, "fatty" and easy to spread. Demonstrations are carried out daily.

R

Radiation Group Sales Ltd. have a comprehensive display of solid fuel space and water heating and cooking appliances. The new Parkray free standing convector fire can be seen in action. Other appliances demonstrated under fire will be the Yorkseal openable fire cooker, the Yorkist No. 12 combination grate and the new Mark III version of the Chevin Convector fire.

Range Boilers Ltd. are showing samples of many of their varied water-heating and storage vessels, with emphasis on those for domestic use. A new item on show is the Aquamatic, a copper indirect cylinder, special features of which are that one feed tank only is required for both primary and secondary waters instead of the usual two.

114, 115 F/G Formwork Rapid Metal Developments Ltd. are exhibiting various applications of their formwork and allied equipment, climbing shuttering is also demonstrated. Also on view is the S.L. Adjustable Centering Girder and a Square Edge Road Form.

242 L/G Fixings
The Rawlplug Co. Ltd., are showing their very wide range of fixing devices and tools and some demonstrations of the strength of their products.

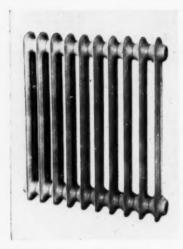
99 E/G
The Redhill Tile Co. Ltd. are featuring the Redland "50" Roman Pattern Interlocking tile. Another feature of this year's exhibit is an illuminated world relief map which illustrates the world wide interests of the Redland group.

476 / GG Kitchen Equipment
The Redwing Ltd. exhibit consists of a complete practical kitchen and includes a special corner sink unit incorporating a stainless steel bowl, continuous Formica working surfaces, and aluminium doors and panels.

157 G/G General Builders' Merchant A. Elder Reed & Co. Ltd. are represented by Messrs. J. P. Reed and H. Matthews. Exhibited on the stand is a selection from their wide range of raw materials and equipment including oxychloride jointless flooring, terrazzo flooring and tile-making machines.



Roura & Fougas, Tornado Hammer.



Steel Radiators. Easyclean type.



Redwing. Corner sink.

Stothert & Pitt. Vibrating Roller.



438 /GG Office Equipment Remington Rand Ltd. are showing for the first time a new office typewriter and

a new office photo. documentation copier called the Dy-flex.

400 /GG Preservatives
Rentokil Ltd. are represented by Mr. D.
Ebner. They are exhibiting many examples
of woodworm and dryrot. Two film strips
are being shown on these subjects.

367 V/E Woodworking Machinery

Thomas Robinson & Son Ltd. are exhibiting a selection of 12 machines from their wide range which includes a 54in. vertical band re-saw, several mouldess and planers and a 10in. Band Saw Filing and Setting Vice.

468 / GG Roofing
S. W. Ronald & Co. (London) Ltd.,
represented by Mr. F. Handler, are showing
for the first time a new method of roofing
in aluminium. Known as "Fural" it works
on a zip fastener principle, no nails or
bolts which might damage the roofing
are used and laying is done very quickly
compared to more normal methods of
roofing.

255 L/G Fixings
Roura & Fourgas Ltd., are exhibiting for
the first time the New Tornado High Speed
Cartridge Hammer which incorporates
three special features, interchangeable
barrels (½in, ½in and ²in). Barrel Silencers
and automatic cartridge ejection. Representativ2, Mr. E. S. Donohue.

246 L/G Paint Brushes
Russell, MacDonald & Co. Ltd., are
represented by Messrs. H. R. Mackecknie,
N. Blair Or and -. Houslop, and are showing
their latest models of paint rollers, paint
and distemper brushes.

S

The Safety Tread Ltd., are showing a complete range of their non-slip nosings as well as examples of their box nailing machines and fire escape stairs. Stand designed by Mr. M. S. Seiffert who is also on the stand with Messrs. W. A. Waine and H. L. Waine.

366 V/E Woodworking Machinery 371 W/E

J. Sagar & Co. Ltd., are exhibiting several entirely new or improved models for the first time, of particular interest is a four side Moulder and Planer, made in two sizes, 4in × 4in and 7in×4in. Ten models in the Bursgreen range will be shown.

363 V/E, 374 W/E Woodworking

H. Schubert Ltd. are showing veneer and plywood equipment as well as special woodworking machines. Entirely new development in press design is demonstrated in the hydraulic hot plate press type MRL100.

191 H/G Waterproofers Sealocrete Products Ltd. are showing their many waterproofing, colouring, hardening and decorating materials used on cement, concrete, asbestos and similar building materials. The exhibit includes specimens of coloured cement work in many shades illustrating a few types of the finishes available.

2, 3 A/G Mastic Secomastic Limited, represented by E. W. Theobald, are showing their cold galvan-

izing process for the protection of iron and steel. The process enables galvanic protection to be conferred to ferrous metals, whether new or in service, by the simple application by brush of Galvafroid of which 92 per cent. to 95 per cent. of the dried film is metallic zinc. Also showing the joint sealing compound produced by this firm.

101 E/G Flooring
Semtex Ltd. are showing for the first time
new colours chosen in collaboration with
the British Colour Council, for both
Semastic decorative tiles and rubber tiles.

The successors to Shapland & Petter Ltd., represented by E. S. Windle, are exhibiting examples of joinery in various woods with particular emphasis on flush panelled doors.

276, 277 N/N
Sanitary Ware
Shires & Co. (London) Ltd. are showing
a wide range of new or Improved sanitary
ware, including the well-known "Lynx"
series of W.C. suites, now available in
colour as well as white. The range has now
been extended to embrace matching wash
basins. Also shown the Shires "PolyFlush" and "Poly-Float."

221 K/G Waterproofing Sika Limited are demonstrating the properties of the concrete densifiers and plasticizers, Plastiment and Plastocrete, in a laboratory on the stand.

632 to 635 /EG Prefabricated Houses Simms Sons & Cooke Ltd. have on their stand models of their house in three separate stages of expansion. The houses are factory made of timber. All plumbing, sanitary fittings, electrical installation and domestic appliances are provided.

458 /GG Tiling W. B. Simpson & Sons, Ltd., are showing a new W.C. partition 1+1 of an inch thick, tiled both sides with glazed tiles. The rest of the stand shows wall and flooring tiling and mosaic work, a special feature is the 1+1 in. thick terrazzo mosaic partition.

342 S/N Prefabricated Buildings S. M. D. Engineers Ltd. are displaying scale models and photographs of their aluminium buildings. These models include the Alframe Bungalow, the Alframe Mark IX Industrial Building and the 200ft. clear span hangar at Hatfield for the de Havilland "Comet."

513 /NG
D. F. Smith & Co. Ltd. are exhibiting a range of wire products including galvanized brick work reinforcement, sheeting clips, hook bolts, eyebolt strainers and various roofing fittings.

63 C/G
Jchn Smith & Co. Ltd. represented by Messrs. A. C. Thomas and W. Taylor, are showing examples from their extensive range of portable, collapsible canvas shelters and tarpaulins.

Sommerfelds Ltd. are showing for the first time their new High Tension Lattice Beam System. Also new to this exhibition are "Slough" slotted angles ten foot lengths which can be cut as required and bolted together by the user thereby constructing without welding or drilling; and pressed steel door and window subframes.

404 /GG Sponges
Sponcel Ltd. are displaying a wide variety of Spontex sponges, each designed for a

particular purpose.

Steel Radiators Ltd. are exhibiting their well known range of Stelrad heating radiators. The display will include radiators from I in to I lin. wide and from I lin. to 36in. high, which cover every requirement for heating installations, whether for industrial, public or private use. A suggested layout of a heating circuit for use with a modern back-boiler is shown.

365 V/E Woodworking Machinery
Stenners of Tiverton Ltd., are showing
for the first time four important additions
to their range of woodworking equipment.
Also to be seen is a film called "Storm over
Scotland" showing the devastation caused
by gales earlier this year.

326 R/N
Stephens & Carter Limited will be showing a comprehensive range of builders' plant, including pole sided ladders in various sizes—Simplex and Midland Extension Ladders—Grafton and Portman Lightweight

Extension Ladders—steel adjustable props, splitheads, etc.

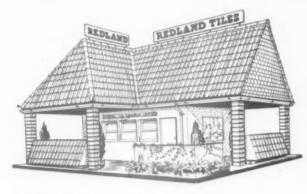
70 D/G
Sterling Foundry Specialties Ltd. are showing the many varieties of Safway equipment for industrial installation and maintainance work. Safway equipment consists of standardized interchangeable light tubular frames which may be quickly erected to form a scaffold or works stage at any height.

324 R/N
Stewarts and Lloyds are exhibiting a wide range, including black and galvanized screwed and socketed steel tubes to B.S. 1387; steel tubes to B.S. 1387 with "Security" coating, glass tissue wrapping and bitumen lining, together with a demonstration of the method of continuing the protection internally and externally at the joints.

288, 289 O/N

Stothert & Pitt Limited's stand was designed by Priestly Studios Ltd., Gloucester. They are exhibiting concrete mixers of small and medium range up to 14 cu ft, including non-tilting and tilting types. Also concrete batch aggregate weighing apparatus, hydraulic operated and a hand-propelled vibrating roller.

Sussex Cement and Concrete Products, represented by Mr. E. Clarke, are showing for the first time a cavity sealing air brick and concrete louvre air brick; also showing Washington Square Hole air bricks in various sizes, concrete cill tiles, a milk bottle niche and Fibrous Plaster air vents.



designer: Beck & Pollitzer Ltd.



designer: Russell, Cole & Bender

designer: June Park



T

286 O/N

Robert Taylor & Co. (Ironfounders) Ltd. are exhibiting a range of nine Tayco solid fuel domestic boilers with outputs of from 21,000 to 70,000 B.T.U.'s per hour. Two of the boilers are for the first time fitted with thermostatic control.

514, 516 /NG
Teles Smith Ltd. are showing for the first time the Teles Pneumatic chain-saw for site work where compressed air is available, as well as their range of petrol powered chain-saws.

202, J/G Refractory Cements
C. G. Templer & Co. Ltd. are making as their main exhibit this year their latest refractor known as Templer's White Fire Cement. Another new development is Temprima, a chipboard filler, Other lines on display are Templaster, a crack filler, and Templer's Tile cement.

298 P/N Windows
John Thompson Beacon Windows Ltd.'s
stand was designed by Bryan Taylor to give
the professional man the opportunity of
examining in detail many of the products
manufactured by the Company. Also on
view are pressed steel door frames, floor
joists and a delivery hatch.

66 C/G Plant
Thwaites Agricultural Engineering Co.
Ltd. are represented by Mr. R. V. Stevenson.
One of the most prominent exhibits on the
stand will be the Thwaites Diesel Dumper;
this will also be seen with a small backfilling
dozer blade.



J. Sagar. Canting Spindle Saw.



Warry 10 cwt Trojan Hoist.

Whitlock Bros. Dinkum Digger.





Warsop. 4in Diesel Pump.

299 P/N Trade Association
The Timber Development Association
Ltd. have designed their stand round the
new T.D.A. Rigid Frame, using it as if it
were for a church or village hall. Other
developments illustrated on the stand by
means of models and display panels are:
Timber Housing, using "thinnings";
T.D.A. type B trusses for suspended ceilings,
Timber Lamp Standards and a Plywood
Grain Silo.

288, 289 O/N

Torrance & Sons Ltd. are exhibiting four of their Paint Mills, of particular interest is the Holmes Minimill, a laboratory Twin Roll Mill with Chrome Rolls and complete with motor. Essential for paint formulation and production of cosmetics and ointments.

230 K/G Paints
Tretol Ltd. are displaying an interesting selection of their range of products which have been grouped under the following headings: Protection of Steelwork; Painting of Asbesto-Cement and Concrete; Bitumen in Building; Products for Concreting.

290, 291 O/N, 294, 295 P/N Plant Trianco Limited are exhibiting improved models of their block making machines with larger type hoppers and counter balance weights to facilitate easier and quicker production. Also to be seen the Trianco Reinforcement Bar Spacer machine.

270 N/N Domestic Fires
Triplex Foundry Ltd. are exhibiting
several approved solid fuel burning appliances including Triplex "W" Cooker,
the Triplex "38" C/F Combination Grate,
two boiler bricks and several continuous
burning fires.

II A/G Precast Flue
True Flue Ltd. have built on their stand
a typical chimney stack composed of True
Flue Standard Precast Concrete Anchor
Blocks and circular refractory Flue Linings.
Another exhibit shown for the first time is
an economical form of domestic flue of
light-weight concrete blocks into which have
been cast circular refractory concrete flue
linings.

466 / GG Plant
Tubela Engineering Co. Ltd. are showing
a selection from their range of hydraulic and
hand tube bending machines, pipe vices,
slate and asbestos cutters.

131 F/G Paints
Charles Turner & Son Ltd. have decorated their stand with their own standard materials

so that visitors may see exactly the type of finish that they may expect on their work under normal working conditions.

28, 29 B/G
Turners Asbestos Cement Co. Ltd.'s stand comprises a series of roof, wall and ceiling panels, demonstrating the wide range of Asbestos-Cement products manufactured by the Company. Among those products more recently introduced are "Everite," Asbestos Cement "Doublesix" Corrugated Sheeting and "Everite" Asbestos Cement Panel Sheets.

509 / NG Mats
Tyre Products Ltd. represented by
Messrs. N. Hillson and D. Castle are showing
for the first time "Typrod" mats 2in
thick for floor wells and "Typrod" Mat
and Dirt Trap.

U

36 B/G

The Union Glue and Gelatine Co. Ltd. are showing a full range of "Coronet" surface-coated abrasive papers and cloths. The "Union" range of animal glues has been extended to cover all the latest requirements; and, in the field of synthetics special consideration has been given to the Polyvinyl Solutions and Emulsions for highly specialized assembly work.

474 / GG Spiral Balance
Unique Balance Co. Ltd. are showing four examples of their balance in use as well as many minor exhibits and sectional models.

V

317 Q/N Blinds
Venetian Vogue Ltd. are displaying the latest types of aluminium Slat Venetian blinds for both horizontal and vertical and inclined planes. On show for the first time is the Adjustapelmet.

439, 441/GG General Builders Merchant Vulcan Manufacturing (Wolverhampton) Ltd. are represented by Messrs. T. H. Trow, N. Meddings and T. Cooper and are showing a selection of their range of builders hardware.

W

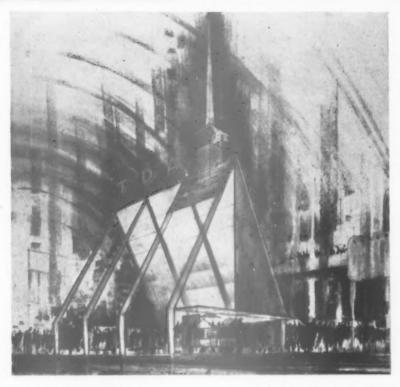
Woodwork Machinery Wadkin Ltd., Woodworking Machinery Engineers, are displaying a comprehensive range of their latest types of machines. Among the new developments to be noticed is the 12in x 5in high-speed planer and roller. Representative C. Morris.

Thos. W. Ward Ltd.'s exhibits include the Pescara-Muntz Free-Piston Compressor, and the Fowler Challenger British Diesel Crawler Tractor.

81 D/G Plastics
Warerite Ltd. are demonstrating the many ways in which advantage can be taken of the hard wearing properties and permanent decorative effects of their material.

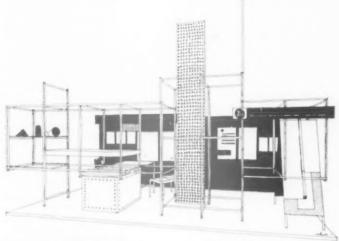
67 D/G Plant
Warry Patent Building Equipment Co.
Ltd.

Warsop Power Tools Ltd. are showing the recently introduced S.7 self-contained concrete breaker and a new H.D. rock drill which includes a new device for dust clearance from the hole being drilled.



designer: J. R. N. Poole.

Timber Development Association.



designer: James Cubitt & Partners.

Zinc Development Association.



Watts (Factors) Ltd. are exhibiting from their range of automatic solid fuel boilers four models ranging from 60,000 to 350,000 B.Th.U's per hour. Also shown, automatic stokers for adaptation to existing solid fuel boilers.

Publishers

Waverley Book Company Ltd. are showing new editions of the Building Encyclopedia, The Encyclopedia of Sanitary Engineering Heating & Plumbing and Practical Handywork for all.

118 F/G Whitlock Bros. Ltd. are showing the new 'Dinkum Digger'' Trench Excavator, which will dig trenches 8ft deep and up to 2ft 6in wide. Operation is entirely by hydraulic control, power being derived from a small pump mounted on the tractor

160, 161 G/G Plant Wickham Engineering Co. Ltd. have a large selection of their products on view, which vary from a light dumper to a blockmaking press.

Metal windows Williams and Williams Ltd. are showing for the first time a new system of curtain walling known as "Wallspan," a system of mullion and transom members of strong but light hollow extended sections. Mullions will span up to 20ft vertically without intermediate supports, a variety of materials can be used as infilling panels. Also shown is a comprehensive selection of the firm's various products.

Woodwork Machinery 375 W/F Wilson Bros. (Leeds) Ltd. are represented on their stand by Messrs. E. Ormerod, J. Kitchen and E. G. Hudson, This firm, who have recently celebrated their centenary, are showing a selection from their latest designs. These include a 16in x 9in designs. These include a folioxist motorized combined surface planing and thicknessing machine and an improved design of the B.S.P. Universal Woodworker.

Witlor Ltd. are showing a selection of their concrete making machinery as well as a new type of G.F. Light Dumper fitted with a Petters Diesel Engine, and also the new Mighty Midget I in single diaphragm motorized pump.

489, 491 /GG Power Tools Wolf Electric Tools Ltd. are displaying a selection of their well known power tools with a staff of ten technical representatives to answer questions.

The Yorkshire Copper Works Ltd. are exhibiting a representative selection of the Company's many products and includes a working exhibit demonstrating the primary and secondary circulating system from a gas-fired summer boiler and a solid-fuel-fired winter boiler.

176 H/G, 209 J/G Plant W. C. Youngman, Ltd., Contractors Plant Division, are displaying a wide range of equipment with special attention focussed on the Patent Lightweight Stagings and Accessories. Information will be given on the Plant Hire Service available in London and the Home Counties.

FEES-AND THEIR COLLECTION

MONEY is getting tighter. You may say that is a fact of which everyone is fully aware. That may be so, but being aware of a fact is by no means the same as considering what effect that fact may have upon us as private architects in relation to the collection of fees. You may not up to date have had any difficulty in this respect. If this is the case you are more fortunate than the majority of private architects. Most, if they would only admit it, have had quite a few bad debts: often these have been their own fault.

Money is getting tighter, the tighter it gets the longer you will have to wait for your money and the more difficult will it become to collect your fees. You may say that because the majority of your work is for local authorities your fees are assured. I would warn you that whilst the fees may be assured, nearly every local authority is exercising an economy campaign, and your unrealistic attitude towards the question of fees may very well result in the curtailing of work to yourself and other private architects from this source.

As a private individual I do not suppose you welcome a bill any more than the majority of us. The bigger the bill the more bitter the taste. Let us be perfectly honest: what other than a bill is the architect's request for fees for professional services rendered?

How to administer the pill in the most soothing way does not appear to have ever crossed the mind of many architects. Tact is essential in architecture as in any other business, but we very rarely consider it in relation to fees. Is this because we contend we are interested only in architecture for its sake and are above this purely worldly matter of money? If so, the sooner we come down to earth the better. I must admit I am very interested in architecture for its sake but I am an architect to make a living.

Take, for example, the case of a private architect who was engaged to carry out the housing schemes for an urban authority. He was not in a big way of business, and considered himself fortunate. He was so engrossed in his task that fees just had to wait. The fees mounted, and when he at last did find time to make up his account, it was for a considerable amount. When the account reached the Council's Housing Committee, the architect's zeal in completing the houses so that tenants could be accommodated at the earliest possible date (and, incidentally, so that the Council would be drawing rents) was completely forgotten. Some members declared the account was preposterous. This was not the case, but to the layman it did appear, presented in one lump sum, as a small fortune. The Council decided to cancel any further commissions from private architects and employ their own staff.

All the good work done by the R.I.B.A. in persuading this Council to engage a private architect was lost in one fell swoop—not because he was a poor architect by any means, but because he was, to my mind, a poor business man.

but because he was, to my mind, a poor business man.

Turning to the private client, I can recall a domestic commission which, for no apparent reason, found its way to my office. I did not know the client and when we were discussing the project I asked why he had entrusted me with his work.

The client, who was a business man, was altering his house, and he stated that he had engaged, at some period, all the other architects in town. They had fallen down on two points—they did not supervise the work sufficiently and their fees were too high. The fees, I ascertained, were the R.I.B.A. Scale, but it was the way they had been presented which was the cause of his dissatisfaction. If I was to retain his work, these were two points to watch, and watch carefully.

How was this difficulty of fees to be overcome without resorting to undercutting the R.I.B.A. Scale? I studied once again, and with great care, the various periods laid down in the R.I.B.A. Scale of Charges when accounts could be rendered. Rather, therefore, than present my bill at the completion of the work, I decided to present an account for

services rendered, based on my preliminary estimate of the cost, when my sketch plans and approximate estimates were completed and accepted by my client. The bill was for one-sixth of the full fee.

I must admit I am not in the habit of rendering an account

until the contract is signed.

When should my next account be rendered? I decided to render it when the contract with the builder was signed, and did so for two-thirds of the fee less the amount already received. The account was duly paid, as was the final payment when the work was completed. The client is still a friend of mine to this day.

One point I learned during the course of my discussions with him was that the accounts he had previously received merely stated: "For professional services rendered"—very similar to those received from doctors previous to the National Health Scheme.

Most clients are ignorant of the work undertaken on their behalf by an architect and therefore the rendering of an account for services does give an architect an opportunity to explain in a few words the work for which the client is being asked to pay. Thus I itemized the work carried out at each stage. This leaves a better impression than the "For services rendered."

There is the alternative method of asking for a percentage when each certificate is presented. This is not a method I have adopted for two reasons. First, no money is received until the building is under construction and by this time a considerable proportion of the architect's and his assistants' time has already been spent on the work, and in the case of the assistants, the wages paid. Secondly, the receipt of the builder's request for payment is usually a shock in itself, without adding your amount, however humble in comparison it may be.

In the case of Local Authorities, agreements as to the time of payments are often entered into when the architect is commissioned. If the Authority puts forward (as I know one did) that the architect should render his account for fees every three months, I would advise you, if this is put to you, to accept this proposal. It may mean considerably more book-keeping for you but, as I have already emphasized, most Authorities are exercising an economy campaign and the bills from architects and others who are not in direct employment of the Authority are being scrutinized very carefully. Any large account is nearly bound to receive a severe "vetting" before being approved by a committee.

Few builders lay out money for long before they ask for payment. Why, therefore, should we wait until our fees have reached a substantial amount?

Very few architects ever admit that they have unpaid accounts on their books, but I can assure you that these are, unfortunately, becoming more frequent. As I have mentioned the tighter money becomes the more outstanding are the accounts—until they become what we commonly term bad debts.

I was asked by an architectural friend what I did regarding bad debts. Discounting bad debts through insolvency of a client, I am afraid I have been tempted to take what many might think a hard view. I have the money collected by my solicitor, if necessary through the Court. When you go into a shop to buy an article you expect to pay even though for the time being you have it put down to account. Wherein lies the difference between buying an article and buying services rendered? To the lay mind I appreciate the difference is between a tangible article and one that is not.

You may say this a dangerous practice, as it will give you a bad name in your area. Will it? No one advertises the fact that he has been forced to pay. Very few allow the matter to reach the Courts, and pay on the solicitor's letter.

The more difficult question is that of abandoned work which, under the present circumstances, is rearing its head all too often. I must admit I hate rendering an account for abandoned work— unless it is to a client who has a wild project in his head and, wishing to see it on paper, decides for no valid reason not to proceed. Perhaps you have been fortunate and not experienced this type of client.

I know that a scale for abandoned work has been drawn up by the R.I.B.A. and that the Courts will usually accept this scale. I prefer to base my account on a fair charge for the work actually carried out. This, however, can amount to quite a substantial sum when the assistants' time and expenses are calculated.

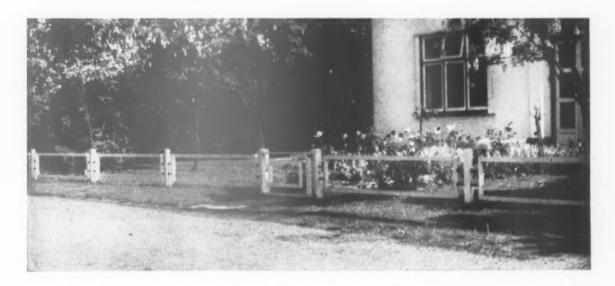
Very few private clients appear to be able to appreciate the time and cost it takes to produce a design, let alone working drawings. After venting their feelings regarding the "outrageous" amount, they usually offer a settlement which is totally inadequate to meet the outlay.

Some architects, I believe, draw up the account with this in mind, so that they can appear to reduce the amount if asked to do so. I do not believe in this practice and like to prepare the account so that I can explain and justify every item to the client. This is very useful if the matter does go to Court.

The question we are all some time faced with is, how far does one press an account for abandoned work? I must admit I do not like pressing an account as far as a Court, although I have gone as far as to collect through my solicitor. I try to convince the client that I have expended so much on his behalf, and have usually been successful in obtaining the best proportion if not the whole of the money. I do not press it to a Court, for as those architects who work or have worked in a provincial town will readily appreciate, news spreads quickly and even though you are perfectly in the right, you would soon become dubbed, after the second case, as a money-grabber and best left alone. You have to consider the prestige and goodwill of your practice. One disgruntled client can outweigh ten satisfied ones.

Whilst I do hope that I have not given the impression that I am mercenary over this question of fees, I would suggest they should not be looked upon as a secondary item which can wait until some later date. This, to my mind, is not only bad business from your own point of view but is also doing a disservice to the profession as a whole

M. E. TAYLOR, A.R.I.B.A.



A New Design for Sectional Fencing

TYE Sectional Fencing" owes its appearance primarily to the disinclination of its inventor, Dr. G. K. A. Cock, to pay the undoubtedly high price now required for unremarkable conventional fencing for the front of his house.

Upon consideration the problem of showing any economy

Upon consideration the problem of showing any economy seemed to come down to one of less material embodied in a design which would lend itself to ease of assembly and erection by unskilled labour. The evolution of something more pleasing to the eye than most types of fencing currently available was also, of course, a prerequisite.

The final solution to the problem (in the form of a 2-foot high, 2-wire version which the inventor found appropriate to his particular property), is shown in the accompanying photographs although more usually a 3-wire type giving a 3-foot high fence would seem to be preferred.

It is perhaps necessary to state at once that this lower version of "Tye Sectional Fencing" has in practice proved en-

tirely successful in excluding stray dogs and passing cattle which, incidentally, was one of the basic reasons for the renewal of the previous fence.

The photographs were taken three months after erection and now after eight months service the fence, which retains its original rigidity, has required no maintenance.

The claim made for ease of erection by unskilled labour is also fully justified in that the inventor having previously constructed the posts and frames then threaded them together by means of the wires and the spacers, and with the assistance of a friend had the job completed and concreted within about two hours of starting.

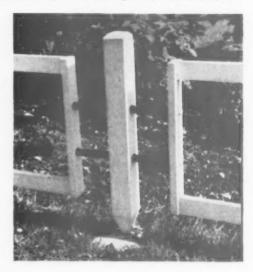
An ex-works price of about 22s 6d per yard for comparatively small quantities of the fence in unpainted oak with frames 6 feet long in $3in \times 1\frac{1}{2}in$ section or 23s per yard if constructed with tubular steel frames and concrete posts.

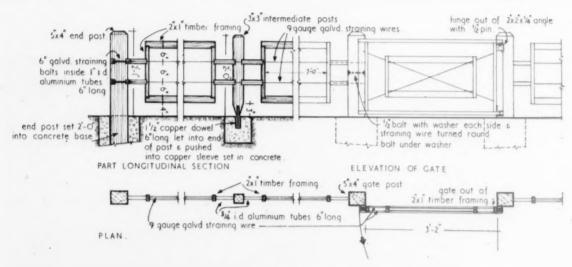
Brief Specification of "Tye Sectional Fencing"

"Tye Sectional Fencing," which is covered by Prov. Patent No. 16631/53, comprises a repeating system of main posts, tubular spacers, frames and intermediate posts which are assembled by threading on to two or more wires, the ends of which are secured permanently to one of the end posts and to strainers incorporated in the other main post.

The fence, which can of course be supplied in a range of heights and frame lengths, may be conveniently assembled lying on the ground and partial tensioning of the wires will give sufficient rigidity to the fence to enable it to be lifted into a vertical position which, incidentally, will serve as a "jig" for the positioning of the post holes.

On lightweight domestic fencing having wooden frame elements the end posts, are made stout enough and are set sufficiently deeply in concrete to withstand the final tensioning of the wire. On heavier types of "Tye" fencing, such as that consisting of concrete posts and tubular steel frames (where the compression imposed by the greater tension of the wires is satisfactorily withstood), the intermediate posts are identical in size and have the same type and depth of foundation as the main posts. Further particulars may be obtained from Mr. J. E. T. Watson, Coneyford Cottage, Watton-at-Stone, Herts. Telephone: Watton-at-Stone 204.







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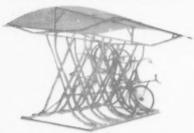
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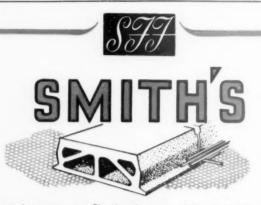


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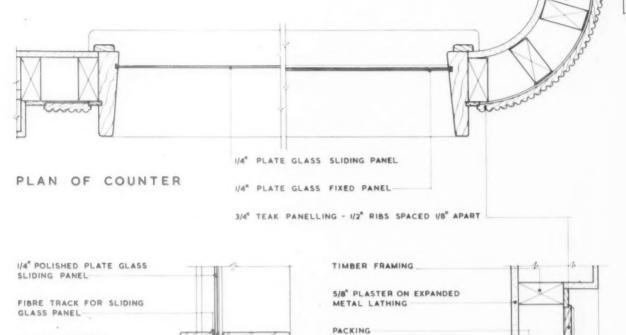
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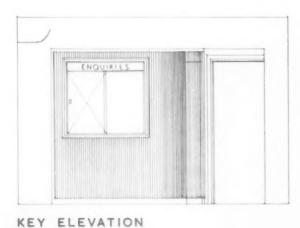
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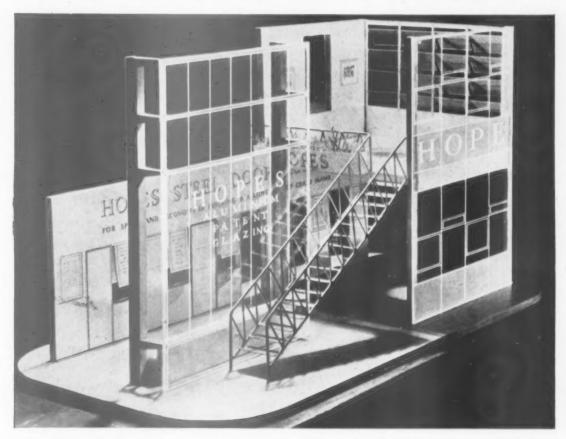
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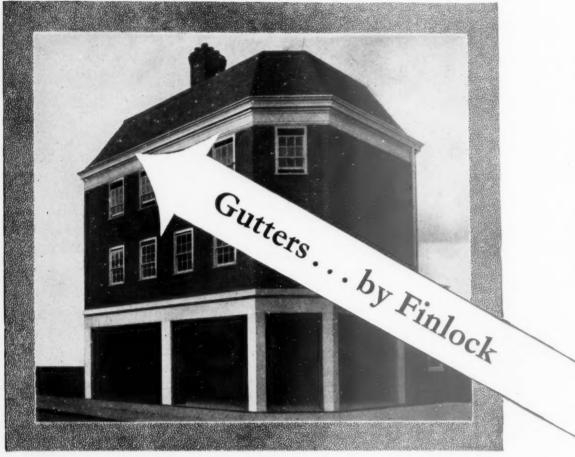
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LIBRARY NOTES

The Marseilles Block

By Le Corbusier. The Harvill Press. London, 1953. Price 21s. Translated by Geoffrey Sainsbury from the French L'Unité d'Habitation de Marseilles.

HIS is a disappointing book. It was published in France some two years ago at a time when the structure was nearing completion, and now that the building is inhabited and almost finished, its reappearance fails to celebrate this achievement in the way that might have been expected. Even as a stop-gap it is somewhat slim. The book ends with a very brief and uninformative description of the edifice supported by photographs of various stages of construction, interiors and details, and several plans. The earlier pages are devoted to a restatement, loosely connected, of many of the dicta and their supporting diagrams with which the Le Corbusier enthusiasts have long been familiar.

The summary on the jacket, however, claims that this latest book gives the complete story of the conception and building of L'Unité d'Habitation, but the claim is clearly unfulfilled. The the claim is clearly unfulfilled. chapters preceding the architectural description explain themselves, "Mud slinging, Let's take a broad view, From a Map of Europe, The long trek 1907-1950, A line of conduct for to-morrow, but there is no reference to those for whom the building is intended, or to local opinion. The financial issues are not mentioned, neither is there any explanation of the multitude of interesting details concerning the structural, mechanical and organizational problems, nor are the circumstances of the site itself described, and the reader must examine the photographs for information on the materials and finishes.

This experiment, so long in coming and so controversial, is now established The huge block is inhabited, alive so to speak, and working with apparent success, and surely it is an event calling for some commemoration and statement of faith? With the completion of the building, the stages of argument, the battles with officials, and the mud-slinging, which are the subjects of the first chapter, become in-The moment of achievesignificant. ment is scarcely the time to stress the toughness of the progress, especially when the project represents the first element in a scheme of things that bids fair to transforming the urban and rural scene as effectively as the advent of the railway. It must not be for-gotten that the Marseilles Block is not the ultimate aim of a lifetime spent in calculation and campaign, but the first major construction upon whose success depends so many of Le Corbusier's other far-reaching proposals, proposals for the most part yet on paper, vulner-able and unproved. There is the danger also that this particular achievement may be regarded as an event of a personal nature, instead of a declaration of architectural and civic significance that will extend far beyond the Boulevard Michelet and its neighbourhood.

It is not enough at this time to be offered again reference to the home in terms of bottles, chests of drawers, and nomadic tents (even an illustration is reproduced twice—see pages 43 and 48), and other deceptively over-simplified chalk-and-blackboard diagrams. It does not seem appropriate either at a time when a modified form of concentrated community is being called into being, to include unrelated references declaring that the solution offered by the "Assemblée de Constructions pour une Renovation Architecturale" to the problems of large-scale planning is that of linear development without clearly establishing the proposed relationships between linear development and periodic concentration.

Such observations as "the road is the thing which connects, which unites, which brings peace and goodwill," are all very well, but other thoughts are certain to occur to the reader. All assertions of this kind may hinder rather than promote the type of planning of which this experiment is the precursor. The completion of "the Marseilles Block" calls for better commemoration than these hastily assembled splinters of principles. Let us hope that a fuller account will soon be available. Patrick Horsbrugh.

The London Furniture Makers: From the Restoration to the Victorian Era. 1660-1840

By Sir Ambrose Heal. Published by B. T. Batsford, Ltd., 4, Fitzhardinge Street, London, W.1. Price 6 guineas net.

HE author has already achieved a great reputation for his painstaking work in compiling and publishing records of London craftsmen. further volume is a valuable addition, giving records of 2,500 cabinet makers working in London over this period. The illustrations include 165 reproductions of makers' trade cards beautifully presented together with 66 photographs of examples of their furniture. We are told that the work is the result of 30 years' research on the part of the author and this can well be understood when it is realized from how many sources of information the material to compile the directory has been collected. A chapter by R. W. Symonds, F.S.A., deals with the problem of identification of the furniture produced by various makers.

What is particularly interesting is

that the book reveals how many cabinet makers of distinction there were producing fine examples of their craft, whereas the average person interested in old furniture is familiar only with the names of some half dozen who for various reasons have come into the limelight, even though it would seem that the less well known makers have in many cases equal title to fame.

This book should go a long way in helping collectors and others to identify the workmanship of many of the lesser known cabinet makers of this period.

To the author of so scholarly a work it may be an impertinence to suggest that one important source of information seems to have been neglected. The British Record Society publishes volumes of indexes to Prerogative Court of Canterbury Wills, the series being completed to 1685 and still in progress. These volumes include an index to "Trades and Conditions" of testators and many citizens of London can there be found described as "Upholder" or even "Cabinet Maker" who are not included in the volume compiled by Sir Ambrose Heal.

H. S. P.

Mitchell's Building Construction: Elementary Course

21st Edition, Edited by W. Hanneford-Smith, London, B. T. Batsford & Co., 15s.

It must be terribly hard for the publisher of a standard work to make up his mind to scrap an established title with a steady sale and commission a new book to take its place. The alternative is to revise and expand; but, though this process may be satisfactory up to a point and may keep a good book on the market for a great many years, there comes a time when there is so little of the original structure and so much filling that it is time to start afresh and in the end the decision must be made and the old friend must go.

The art of building has changed so much during the last fifty years that the publisher's claim that Mitchell's Building Construction has been recognized as a standard textbook for upwards of half a century is a condemnation rather than a recommendation. The work has now reached its 21st Edition and has once again been revised to bring it into line with the new L.C.C. Byelaws of 1953 and the Model Byelaws of 1952. The revisers have done their best even to the extent of hotting up the illustrations and relettering them with a Uno stencil. Some of the revisions in the text are painfully obvious because clauses have been altered so hastily that some sentences are no longer complete and others start in one tense and finish in another. But really the book is not

worth patching and the publishers should make up their minds to start

again from scratch.

The writing of a first-rate reference book is no easy matter and building construction has now developed so many special side-lines that no one man could to-day produce a book covering the whole subject. If a fresh start is to be made it would probably be wise to abandon the attempt to cover the whole field at two levels, Elementary and Advanced. Success would be more likely if the subject was broken down into Trades and each Trade was taken through from start to finish in a single section; allied sections such as Carpentry and Joinery might be combined into volumes of convenient size. The division into Advanced and Elementary sections, though it has its attractions from the Teacher's point of view, is bound to be arbitrary and makes reference more complicated vastly reducing the value of a book as an Office stand-by. A replacement for Mitchell is badly needed but it will have to be the work of a committee, each section being dealt with by an architect and a specialist acting in collaboration. And the authors will have to start by making up their minds once and for all whether they are setting out to produce a school textbook or a work of reference for the practising architect and builder. Both are needed but the two birds cannot be killed with one

One of the fundamental faults of Mitchell's work is that in attempting to cater for both student and practical man it falls between two stools. It is a thoroughly bad book to put into the hands of a student because it pays so little attention to the aesthetic side of architectural detailing and perpetuates, even in its revised illustrations, the most degraded late Victorian and Edwardian designs. There are some almost incredible examples of Victorian Gothic masonry and although the wood lintels behind the brick arches have now given way to reinforced concrete the same old window grins through the opening, with its clumsy horned sashes, hideous and expensive mouldings and six-inch stone sills. This sort of thing debauches the taste of the student and is of very little use to the practical man; the only architect who will get any help from it is one who happens to be responsible for "identical reinstatement" under a War Damage Claim,

Nevertheless, all students and most practising architects have much to learn from a textbook or exemplar of good traditional construction. Penty's Elements of Domestic Design and the series of little books by Edwin Gunn are still of great value and will continue to be a useful source of information for many years to come because they were written by practical men who had a care for design as well as construction and who knew how to develop old methods to suit changing conditions. In other words they are links in a living tradition which can be carried forward by their successors.

Mitchell's book first appeared in a period when the average of architectural design in this country was at a low ebb, but during the same period individual British architects were producing work that was the admiration of all Europe. If Mitchell's original domestic details had been based on the work of Lutyens and Voysey or Shaw and Webb, and if his Gothic details had been taken from Street or Bodley there would have been life in his book. might then have served to spread the knowledge of good workmanship among the lesser architects and builders. Alas, neither Gothic nor Classic was the real thing. Unlike his eighteenth century predecessors, Ware or Pain or Batty Langley, Mitchell propagated not the best design of his day but the worst.

Unfortunately, even where "modern" details have been added in the course of revision the standard of design is as low as ever. The dust-jacket of the present edition is in itself enough to make any self-respecting School of Architecture remove Mitchell from its list of books recommended to students.

J. Brandon-Jones.

Exeter

By Brian Little. London, B. T. Batsford & Co. 15s.

THE title of this book is somewhat misleading for it deals not only with Exeter itself but also with the near-by towns of Crediton, Ottery St. Mary, Tiverton, Cullompton as well as Topsham and Exmouth. However, one cannot have too much of a good thing and Mr. Little writes simply and easily, he packs a lot of learning into his work but he does it without patronizing the reader. He has given us a lively description of town and landscape and much information about the past and present of an exceptionally interesting neighbourhood, and he has succeeded in doing his job without allowing his book to become a mere catalogue of objects of architectural and antiquarian interest. It was tantalizing to read this book the year after a holiday in the West Country and to discover how much we had missed that we might have seen if we had had the book before the holiday and had taken it with us. It would certainly be a good investment for anyone planning next year's excursions!

One cannot help being alarmed by the information given in the final chapter about the rebuilding of Exeter's war damaged areas. The combetween "Georgian" Modern" in which a number of new buildings have already been designed is to say the least unfortunate. There are not many architects to-day who know the Classical game well enough to play it with variations and those who do not understand it thoroughly would do well either to stick closely to the book or to go all-out for an uncompromising Functionalism. The disappearance of Bedford Crescent and other eighteenth

century buildings is a tragedy but it would not be so depressing if there was any evidence that the opportunity of rebuilding was being given to architects with the courage of their convictions.

I have not yet had an opportunity of seeing anything of the new Exeter, but a visit to the new Plymouth left me profoundly disturbed. There seem to be good grounds for the Common Man's instinctive distrust of Planners and even a rebuilding on the old frontages would have been preferable to the soul-less and scale-less design adopted for the centre of Plymouth. Exeter is a smaller problem and the opportunities for doing the wrong thing are proportionately less but the danger is there. Perhaps there is still time to learn from the mistakes already made. The production of Mr. Little's book

The production of Mr. Little's book is good and the photographic illustrations are first class. But it should have been possible to supply a better street plan for Exeter; in that given on page 47 hardly any of the buildings mentioned in the text have been marked and only a few main streets are named. The stranger would be grateful for a map upon which the interesting but less well known buildings described had been pin pointed.

J. Brandon-Jones.

Planning Applications, Appeals and Inquiries

By A. E. Telling, M.A. Barrister-at-Law, and F. H. B. Layfield, A.M.T.P.I. Publishers, Butterworth & Co., Ltd. Price 35s.

ON my bookshelf are many books on Planning Law. When they have arrived I have glanced at their contents and occasionally made reference to their words of wisdom, I have never, however, read a single one. It might be argued that no one reads a book on law—more's the pity, if that is the sorry state we have arrived at owing to the maze of laws and regulations that were laid upon us during the war.

Has the law, particularly relating to land, become so complicated that no book could be written which could be read as a book should be read? This, I feel, was the question the authors of this book asked themselves. They decided that it could be done and they have very successfully achieved their object. This is the first law book I have read thoroughly and, what is more important, enjoyed reading.

How has this task been achieved? First, careful thought has been given to the contents, the sequence of the contents and the method of presentation. To this end the book has been divided into three separate and distinct parts.

Part I—Procedure for Planning Inquiries.

In actual fact it deals with the subject on a far wider horizon than the title implies. This section of the book presents a narrative account of the various powers of public and local authorities under land use legislation,

(Continued on page 627)

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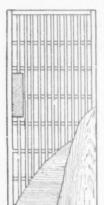
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with particular emphasis as to the effect it has on the owners of land and pro-perty, and developers generally. The perty, and developers generally. first three chapters are devoted to the procedure for obtaining planning and appealing, if necessary, against the decision of the local planning authority. This is followed by a description of the steps which local planning authorities can take for enforcing planning control, for revoking permissions al-ready granted and for securing the removal of existing development. What, perhaps, is more important from the point of view of a solicitor, is that the procedure is explained as to how an aggrieved person may challenge the steps proposed to be taken by the authorities concerned.

Later chapters in this Section of the book deal in a similar manner with the powers of public and local authorities to make development plans, to designate new towns and national parks, to acquire land by compulsory purchase and to make various other schemes and orders affecting the use of land and

buildings.

Part II is entitled "Evidence in Planning Inquiries." Anyone who has been acquainted with planning inquiries will agree with the words of the authors of this book-namely, that "all parties suffer from uncertainty-all hold views alike only in the vagueness they display." How should one prepare a case, by what criteria should economic, social and physical facts be judged and presented? What special witnesses should be employed? All these points are most ably dealt with in this Section.

Part III deals with "Miscellaneous Matters." It deals with some very important points; matters which affect architects on many occasions but up to date have not been explained in a clear and concise manner, as is to be found in this volume. For example-How to Examine a Development Plan—Development Plan Inquiry—How to Build Up a Case Against a Develop-ment Plan, etc. That vexed question,

change of use, receives a chapter. Tf you are an architect, a planning official, student or lawyer, this book should be found on your bookshelf. You will never regret the money expended and, what is more important, you may save yourself from looking a complete nitwit at a planning appeal or The joint authors are to be congratulated on producing a much needed clear exposition on this difficult subject and the admirable manner in which they have presented the facts.

M. E. T.

Plant Indoors: How to Grow and Arrange Them By C. R. Boutard. Pitman. 18s.

THE cultivation of indoor plants is proving so pleasure-giving that it is well worth while to learn of the wide range of plants now available for the different parts of the house; the dark corner, the sunny sill, the bathroom

window frame, the wall bracket. To keep your plants, once bought, growing on from year to year, some advice on cultivation is necessary. They may have originated in dense, equatorial forest or Mexican desert, or other unfamiliar habitat.

This book is full of sound, practical advice on a wide variety of indoor plants. It is very intelligently arranged so that information on any particular species can be found with the greatest ease from the comprehensive The book is well illustrated and beautifully printed and easy to read. It is not overloaded with information irrelevant to the amateur and can be thoroughly recommended

A Short Dictionary of Architecture, Including Some Common Building Terms

By Dora Ware and Betty Beatty, A.R.I.B.A. George Allen & Unwin, Ltd. Price 12s 6d. Third Edition, Revised and Enlarged.

HIS nicely produced book contains a large number of words that the average architect would seldom need to look up. Some of them, for instance, "Mynchery, an archaic Saxon name for a nunnery," may be more useful to crossword puzzlers than practising architects; but it is always a good thing to have a reference book that you can turn to for the odd or rare word in addition to the common one, and a correct vocabulary is an advantage when describing parts of buildings and when asked awkward questions by laymen.

The line drawings serve to illustrate such terms as "gambrel roof" and "squinch arch" and add to the appear-

ance of the book.

Commercial Hardwoods. Their Characteristics, Identification and Utilisation

By Nicholas Clifford, Sir Isaac Pitman & Sons, Ltd. Price 21s.

HIS really excellent book describes briefly and illustrates with photographs one hundred different woods. Each wood has a section giving essential information quite briefly, including recommended uses. The book concludes with a bibliography and two indexes, one of botanical names and the other of alternative names. The book is to be recommended to architects, decorators and craftsmen.

BOOKS RECEIVED

Architects' Year Book 5. Editor Trevor Dannatt. Published by Elek Books,

Dannatt. Published by Elek Books, Ltd. Price 42s. Architects' Working Details. Edited by D. A. C. A. Boyne. Published by The Architectural Press. Price 21s. The Art of Sign Writing. By B. Hearn. Published by B. T. Batsford, Ltd. Price

Boullees Treatise on Architecture, By Helen Rosenau, Published by Alec Helen Rosenau. Publi Tiranti, Ltd. Price 21s.

Buildings of England (Hertfordshire). By Nikolaus Pevsner. Published by Pen-guin Books, Ltd. Price 4s 6d.

Buildings of England (Derbyshire). By Nikolaus Pevsner. Published by Pen-guin Books, Ltd. Price 4s 6d.

guin Books, Ltd. Price 4s 6d.

British Standards 1953 Year Book. Published by The British Standards Institute. Price 12s 6d.

Brush Script. By Donald Stevens. Published by B. T. Batsford, Ltd. Price 10s 6d.

10s 6d

Building Byelaws-Law and Practice. By J. R. Garner, LL.M. and R. S. Offord, B.Sc., D.P.A., A.M.I.C.E., M.I.Mun.E. Published by Shaw & Sons, Ltd. Price 45s.

Williamson. Published by Country Life, Ltd. Price 12s 6d. Canterbury Cathedral.

Century of Scientific Instrument faking, 1853-1953, Published by Making, 1853-1953. W. F. Stanley & Co.

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Wilson, F.R.S.A. Published by Seven
Oaks Press, Ltd. Price 25s.

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Productivity

THE Second Report on Productivity (National in House-building Building Studies, Special Report No. 21. H.M.S.O. 1s 9d), takes this side of the Building Research Station's work Special a long way further than the first pilot report which was published as National Building Study Special Report No. 18. While I doubt that this report will mean much to most of the building industry, I hope it will serve as a real basis on which experts will be able to provide, in due course, practical guidance in a form fully understandable by the bulk of individuals in the industry. The information on which this Second Report is compiled has been gathered from local authority house-building contracts only, as insufficient private building was in progress during the period of the study, which ended many months ago, and before the increased amount of private building work started. It is probable that by now conditions in the field of house-building have changed a little but, as stressed in the Report, they still remain very different from those of the pre-war period.

The Report supports strongly targetbonus incentive schemes as a means of bringing down man-hours per house. **Judging** by pre-war experience financial incentive usually encourages output, and it was for this reason that pre-war "labour only" sub-contrac-tors achieved outputs far in excess of those we now get, even with target-bonus payments. A trouble, not mentioned in the Report, which tends to arise rather too often, and one which needs close supervision with bonus payments, and to an almost equal measure with sub-contracted labour, is the risk of skimped workmanship. There are obvious signs that increased speed often tends to produce lower quality building and, consequently, increased maintenance; most materials are as good as they were in pre-war days, or can be as good if the appropriate price is paid. Quality of workmanship is a very important factor in production of good building which must not be lost in any endeavour to speed up and cheapen building as it is too costly in the long run.

The Report points out that there is a marked difference in productivity between sub-contractors and main contractors employed on similar work in many trades. The variation of the amount of work sub-contracted in different trades as set out in Table 3 is interesting, as is also Table 5 which shows that in certain trades (plasterer, plumber and painter) the sub-contrac-tor uses considerably less man-hours than those needed by the main contractor when he does similar work. It is interesting to note that the man-hours per house differs with the increasing size of the contract, but one wonders whether there is not an economic maximum which arises from the amount

which a main contractor can supervise adequately. It is particularly interesting to note that there is better productivity when contractors are experienced in house-building and on contracts directly supervised by main contractors. The Report in fact states that "evidence of the effect of good supervision is provided by the high productivity of the "Working Principal" subcontractors and of the small main contractors who directly supervise the work on site." My experience has, however, been that while the smaller contractors gain considerably in the productivity of their labour they tend to lose much of this benefit by poor general organization.

I feel it is unfortunate that the Report does not mention workmanship and finish of the buildings because good workmanship and finish have always tended to reduce productivity in terms of the number of houses completed. Personally I have a feeling that there can be such a thing as too high productivity and too great speed if they tend to a lowering of quality, which, judging by large numbers of houses seen since the war is already far too low to be economical over the life of the

building.

There is little doubt, and the Report supports this view, that a way increase productivity and to maintain, or better to raise, quality would be for firms to return to the practice of building up their permanent labour forces and the employment of regular groups of sub-contractors. The tendency in recent years for the contractor to pick up and put off local labour and to maintain only a few key hands does not encourage team work or productivity. Another factor which does not seem to be mentioned in this report but tends to contribute to a lowering of productivity is the difficulty of discharging labour that does not pull its weight or produce the level of workmanship needed. It seems unfortunate that the Trade Unions do not recognize that poor workmanship and insufficient output are reasons to support employers giving notice to terminate a man's employment. I am afraid there are too many, especially on some of the larger jobs, who do not accept their national responsibility to give a proper day's work for the agreed wage. If this responsibility could be accepted by all I am sure that productivity and quality would benefit greatly.

A great weakness of our industry still remains in the form of poor organization. I hear constant complaints which emanate from this cause. For example, only recently at a discussion with merchants and manufacturers there were complaints that goods were not ordered sufficiently far ahead to arrange for proper production and delivery and that too frequently there is either over-ordering or under-

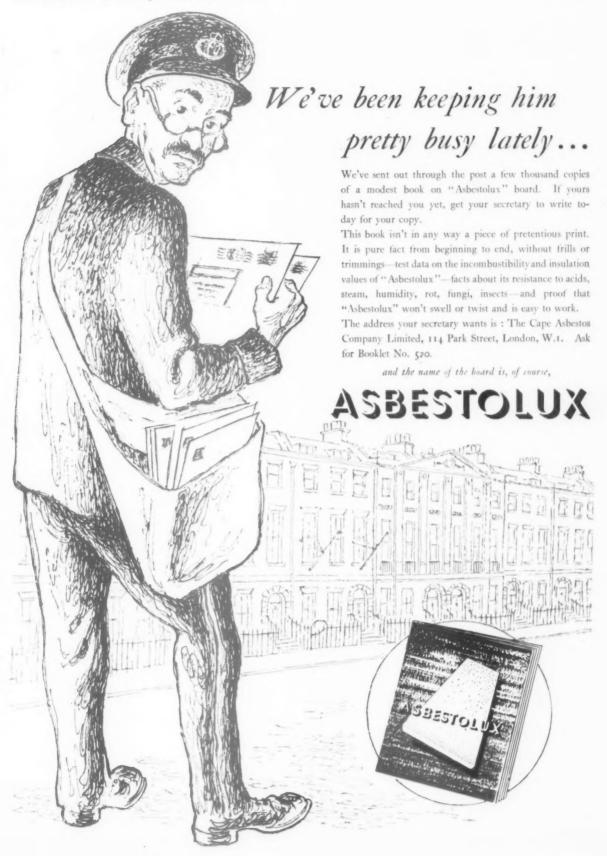
ordering. Head office and site office staffs are often inadequate in number and insufficiently skilled to ensure adequate planning of production to speed building and to interlock the various trades. This loss of speed and the spreading of the work increases enormously the overhead expenses. paragraph in the report stresses the advantage to be gained by improved organization and it is interesting to note in it that as part of the discussion of the use of the tower crane at Norwich, for which the programme of work was of the utmost importance, it continues by stating that substantial savings in labour were achieved in the finishing trades which had virtually no benefit from the presence of the crane, thus the savings were entirely due to better organization and planning of the work

The Report shows considerable differences in the average expenditure of labour in the North, Midland and South Regions. One cannot know from the Report to what extent this may have been due to specification variations or to such matters as differences in size of bricks, which the Report in fact mentions. The houses in the Survey were all of the 3-bedroom type built in pairs or terraces, with an area of between 850 and 1,050 sq ft, and of traditional construction; in spite of these controlled requirements one feels that they were still liable to be very variable in their demands on labour due to design and specification differences. It is noted that the South needed considerably more man-hours than did the North on the average house; for example, bricklayer manhours per house in the North were 583

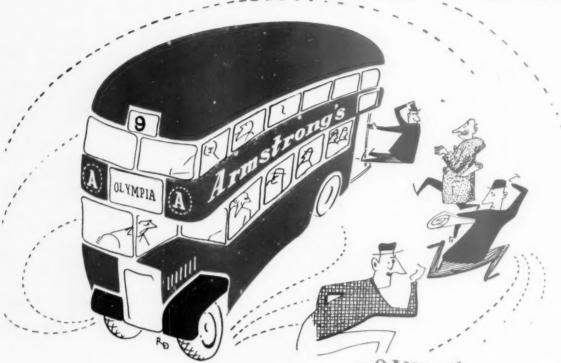
against 665 in the South.

As already stated, for most of the industry the reading of this Report will not provide a great deal of direct assistance for the improving of productivity by the individual readers. tially a document for the use statisticians and these alone are likely to appreciate the value of the survey. Certain parts of the document will in fact frighten the ordinary reader, especially Appendix VII, which conreader, tains abstruse phrases such as matrix of the co-efficients of the Normal Equations was inverted to provide the variances and co-variances of these estimates." It seems probable, however, that, given time, the statisti-cians will be able to give information which can be interpreted by building technicians into a form which will give guidance on improving productivity to the members of the building industry. Up to now no basis has existed from which conclusions could be drawn even by experts and advice given. How the importance of organization can be "put over" to the bulk of our industry, especially the small contractors, seems as yet to be unsolved.

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BUILDING

BUCKINGHAMSHIRE C.C. (a) Junior and infants' school at Langley. (b) County Architect, County Hall, Ayles-bury. (c) 5gns. (d) Jan. 1. (e) Feb. 8.

3-storey flats, Glyn Estate. (b) S. Powell Bowen, Alliance House, Princes Drive. (e) Nov. 30.

DAGENHAM B.C. (a) 108 flats in 3-storey blocks, Marks Gate Estate. (b) Borough Engineer, Civic Centre. (c) 2gns. (e) Dec. 7.

EAST SUSSEX C.C. (a) 2 additional classrooms at Hailsham C.P. Infants' School. (b) County Architect, County Hall, Lewes. (d) Nov. 23. (e) Dec. 28.

ERITH B.C. (a) 30 flats at Albert Road/ Victoria Street, Belvedere. (b) Borough Engineer, Town Hall. (c) 2gns. (d) Nov. 23. (e) Dec. 14.

GOSPORT B.C. (a) 116 terrace houses with 700 yds, of estate roads and sewers, Rowner Estate. (b) Borough Engineer, Town Hall. (ε) 2gns.

HARTISMERE R.C. (a) 5 pairs of houses with road and path at Thorndon; 2 pairs of houses and a block of 4 houses, with laybye and paths at Cotton; con-struction of a sewage disposal works, etc., at Cotton. (b) Housing Officer, Housing Department, Lambseth Street, Eye, Suffolk. (c) 2gns. (e) Dec. 11.

KINGSTON-UPON-THAMES B.C. (a) 105 flats, Chessington Hall Estate. (b) Town Clerk, Guildhall. (c) 2gns. (d)

LOUTH B.C. (a) 72 dwellings in 4 contracts of 8, 12, 26 and 26 dwellings, Eastfield Road Estate. (b) Messrs. Vallance and Westwick, White Hart Chambers, Mansfield. (c) 2gns. (e) Dec. 8.

LOWESTOFT B.C. (a) 18 flats at Raglan Street and Jacobs Street. (b) Borough Engineer, 49, High Street. (c) 2gns. (e

MELKSHAM U.C. (a) 20 houses, Breakhart housing site. (b) Engineer and Surveyor, Town Hall. (c) 2gns. (e) Dec. 14.

MERTHYR TYDFIL B.C. version of the South Wales and Mon Approved School, Quaker's Yard, Glam, to form an aged persons' hostel. (b) Borough Engineer, Town Hall. (c) 3gns. (e)

MONMOUTHSHIRE C.C. (a) 2 farmhouses and farm buildings, etc., at Brooks Farm, Raglan, Mon. (b) County Land Agent, Cambria House, Caerleon, Mon. (c) 3gn cheque payable to Council. (e)

NORTHERN IRELAND—COUNTY DOWN. (a) Central meals kitchen at Ballywater. (b) Director of Education, 1, Wellington Place, Belfast. (c) £3. (e)

address it is the same as the locality given in the heading, (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked * are given in the advertisement section.

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BIRMINGHAM, 18: 63 Hockley Hill. Tel. Northern 1266

NORTHERN IRELAND—GOVERN-MENT OF NORTHERN IRELAND. (a) Factory at Ballymoney, Co. Antrim. (b) Ministry of Commerce (Room 28), Chichester House, Chichester Street, Belfast. (c) £5. (e) Dec. 3.

NORTHERN IRELAND HOSPITALS AUTHORITY. (a) Accommodation for nursing staff at Waveney and Braid Valley Hospitals, Ballymena. (b) The Secretary, Northern Ireland Hospitals Authority, Victory Buildings, 44-46, Queen Street, Belfast. (c) £5. (e) Dec. 9.

ST. GERMANS R.C. (a) Pair of houses at Insworke, Millbrook. (b) Council's Clerk, Council Offices, Lower Port View, Saltash, Cornwall. (c) 2gns. (e) Dec. 2.

WEST RIDING C.C. (a) Practical room at Ingleton Senior School. (b) County Architect, Bishopgarth, Westfield Road, Wakefield. (c) 1gn. (e) Nov. 30.

WEST RIDING C.C. (a) 5 pairs of firemen's houses, Little Lane site, South Elmsall. (b) County Architect, Bishopgarth, Westfield Road, Wakefield. (c) 2gns. (e) Nov. 30.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

CRAWLEY DEVELOPMENT COR-PORATION. (1) 152 No-Fines houses. (2) Northgate Neighbourhood Unit. (3) Geo. Wimpey & Co., 26, Hammersmith Grove, London, W.6. (4) £191,132.

HULL C.C. (1) 200 dwellings. (2) Area "B" Longhill Estate. (3) F. Bilton, Ltd., 87, Wincolmlee, Hull. (4) £239,787 (recommended).

BOOTLE CORPORATION. (1) 124 dwellings. (2) Netherton Estate. (3) Lloyd and Cross, Ltd., 68, Argyle Street, Birkenhead. (4) £188,357. (1) 42 dwellings. (2) Netherton Estate. (3) H. Bevan (Builders), Ltd., 30, Desmond Street, Liverpool, 5. (4) £55,268.

DUDLEY B.C. (1) 106 Cornish dwellings. (2) Saltwells Estate. (3) Selleck Nicholls & Co., Ltd., Hill House, East Hill, St. Austell, Cornwall. (4) £145,285 (revised tender).

BRISTOL C.C. (1) Adaptations at Block No. 1 of Muller's Orphanage to provide accommodation for College of Art, Commerce and Technology. (3) Stone and Co. (Bristol), Ltd., 140, Redland Road, Bristol, 6. (4) £148,317 (recommended).

READING B.C. (1) 114 dwellings. (2) Home Farm Estate. (3) James Cook and Son, Ltd., 11, Holmes Road, Reading. (4) £151,416 (recommended).

DARTFORD B.C. (a) 89 dwellings, 17 garages. (2) Temple Hill Neighbourhood Unit, Site 6A. (3) Hawker-Smith, Ltd., 1, West Street, Erith, Kent. (4) £110,503 (recommended).

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SHEFFIELD CORPORATION HOUSING COMMITTEE. (1) 136 dwellings. (2) Scheme 4, Greenhill/Bradway Estate. (3) Redmile & Poole, Ltd. (4) £161,221. (1) 72 dwellings. (2) Scheme 4, Greenhill/Bradway Estate. (3) H. Dernie & Sons, 69, Stovin Road, Sheffield, 9. (4) £86,491.

CARLISLE C.C. (1) 100 Easiform houses; 26 bungalows; 46 houses. (2) Harraby. (3) John Laing & Son, Ltd., Carlisle.

BRITISH RAILWAYS (LONDON MIDLAND REGION). (1) New gable wall and grain hoppers. (2) Docks and Inland Waterways Board at Barrow, Devonshire Dock grain warehouse. (3) Edward Wood & Sons, Ltd., Park Street, Derby.

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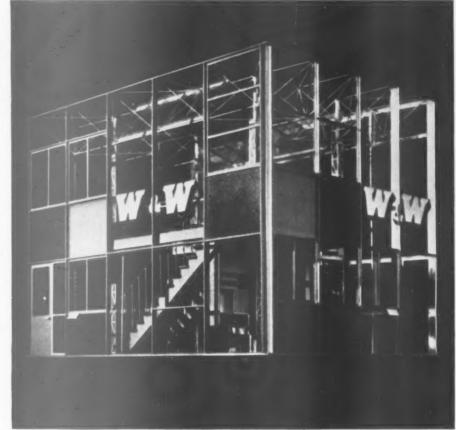
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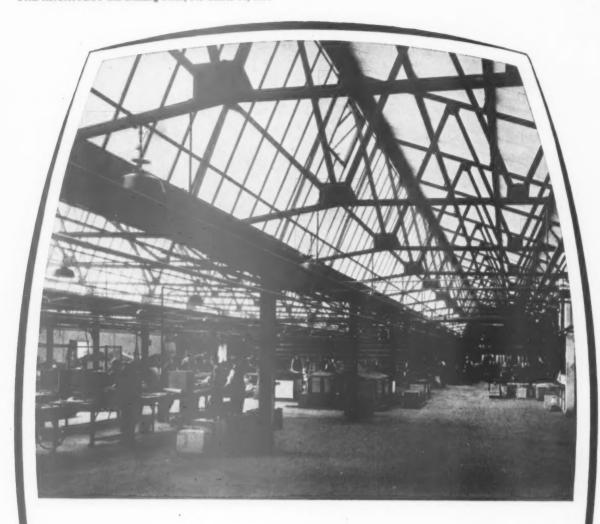
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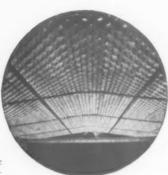
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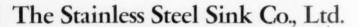
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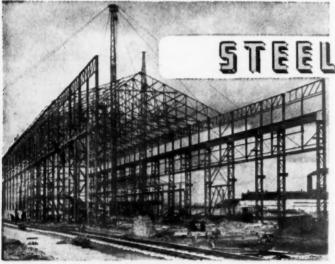
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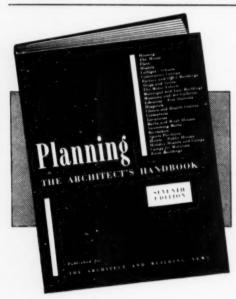
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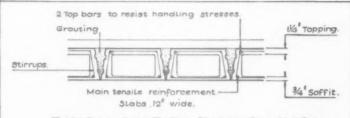
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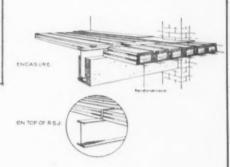


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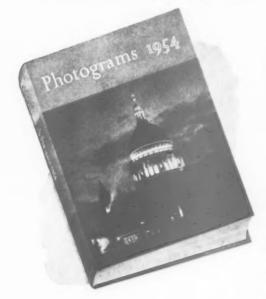
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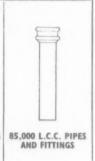
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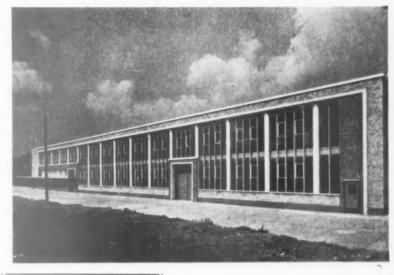
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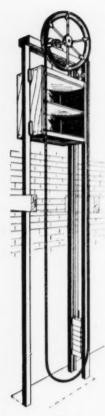
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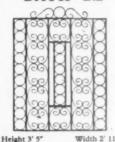
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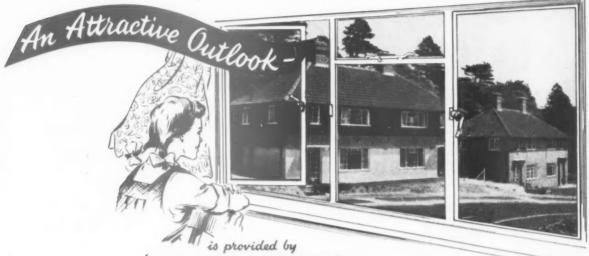
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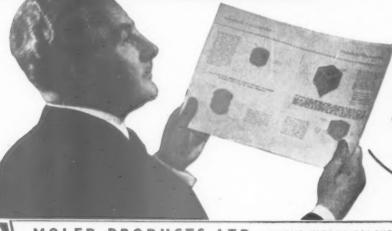
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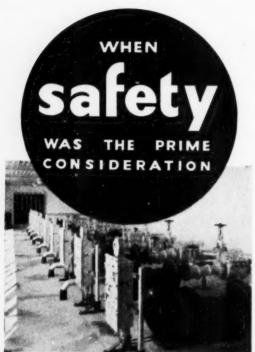
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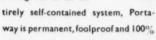
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The pump room of the new main storage depor at Pickering, Yorks. Photograph by courtesy of Shell-Mex & B.P. Ltd

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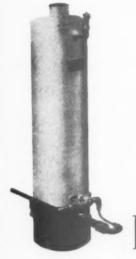
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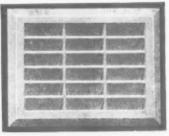
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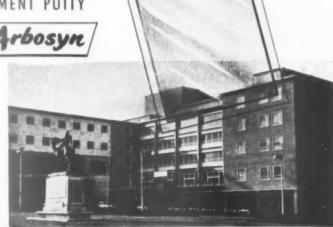
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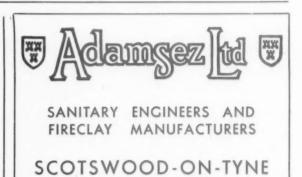
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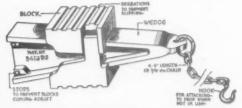
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APPOINTMENTS

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LONDON COUNTY COUNCIL.

APPOINTMENT OF ASSISTANT SCHOOLS ARCHITECT

THE ASSISTANT SCHOOLS ARCHITECT, salary £1,650×£100—£1,950, will assist the School's Architect, who is responsible to the Architect to the Council for the organization and direction of the Schools Division dealing with the design and recetion of educational buildings of all types. The position calls for experience in contemporary architectural design and modern methods of construction, and for qualities of leadership and organizing ability of a high order. Form of application from the Architect (AR/EK/ASA), County Hall, London, S.E.I. Closing date 30th November, (1194)

CITY AND COUNTY OF KINGSTON UPON HULL.

APPOINTMENT OF ASSISTANT QUANTITY SURVEYOR

A PPLICATIONS are invited for the appointment of ASSISTANT QUANTITY SURVEYOR in Grade V, A.P.T. Division, £595-£645 per annum. Applicants should be fully experienced in taking off quantities in all trades, abstracting and billing, measuring off for variations on site, and checking and settlement of final accounts.

The appointment will be subject to one month's notice on either side, to the National Scheme of Conditions of Service and to the Local Government Superannuation Act, 1937. Application forms can be obtained from Andrew Rankine, A.R.I.B.A., City Architect, Guildhall, Kingston upon Hull, and should be returned completed on or before 30th November, 1953.

HAMPSHIRE

APPLICATIONS are invited for the following (a) ASSISTANT ARCHITECTS. Grade VII. Salary £710 – £785 per annum.

appointments:

(a) ASSISTANT ARCHITECTS. Grade VII.
Salary £710 £785 per annum.

(b) ARCHITECTURAL ASSISTANTS. Grades
II. III or IV. Salary £495 £540; £525 £570; or
£555 £600 per annum, according to experience.

(c) ARCHITECTURAL ASSISTANTS. Grade
I. Salary £495 £510 per annum.

Candidates for appointment:

(a) Must be Registered Architects, preferably
A.R.I.B.A., with good general experience in the
design and construction of Public Buildings. These
appointments are terminable by three months
notice on either side.

(b) Should have passed the Intermediate Examination of the R.I.B.A. or its equivalent at one of
the recognised Schools of Architecture and have
had suitable experience.

(c) Should have good office experience.
Appointments (b) and (c) are terminable by one
month's notice on either side.

The appointments are pensionable and will be
subject to satisfactory medical reports. In approved
cases the County Council are prepared to assist
newly appointed members of the staff to meet
removal and other expenses.

Applications should be made on forms to be
obtained from the County Architect, The Castle,
Winchester, to whom they should be returned not
later than 4th December, 1953.

[7453]

COUNTY BOROUGH OF WEST HAM

BOROUGH ARCHITECT & PLANNING OFFICERS' DEPARTMENT

Applications are invited for:
(a) ARCHITECTURAL ASSISTANT. Salary cording to experience within the range £465-

(a) ARCHITECTURAL ANNINIANT, Manay, coording to experience within the range £465-570 plus London Weighting.
(b) GENERAL ASSISTANTS TECHNICAL (3). With two years' experience in an architect's office. Salary according to age within the range £160-450 plus London Weighting.
Application forms returnable by Monday, 30th November, 1953, from Thomas E. North, O.B.E., F.R.I.B.A., Dist. T.P., 70, West Ham Lane, Stratford, E.15

APPOINTMENTS-contd.

BOROUGH OF OLDBURY

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT

A PPLICATIONS are invited for the following appointments in the Architects' Section of the

A appoint ANN are invited for the following Borough Surveyor's Department:—

(a) SENIOR QUANTITY SURVEYOR, Grade A.P.T. VII (£710/£25/£785).

(b) ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. VII (£710/£25/£785).

Salary will be paid within the above Grades in accordance with the experience and qualifications of the successful candidates.

The Corporation's building programme comprises mixed development of houses, maisonettes and flats, shopping centres, development of Central Clearance Areas, multi-storey flats and general building works.

Candidates for appointment (a) should be

Clearance Areas, multi-storey flats and general building works.

Candidates for appointment (a) should be Chartered Quantity Surveyors, possess a thorough knowledge of building contract procedure and have administrative ability; be experienced in preparation of estimates, preparing specifications and bills of quantities; valuation for interim certificates and settling final accounts for all types of local authority building contracts.

Appointment (b) should preferably be qualified Quantity Surveyors and have had considerable practical experience in the preparation of bills of quantities.

practical experience in the preparation of one of quantities.

The appointment will be superannuable and subject (a) to the Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services and (b) to the selected candidate passing a medical examination.

Applications, giving particulars of age, qualifications and experience, together with the names of two referees, should be delivered to the undersigned not later than Monday, 30th November, 1953.

KENNETH PEARCE,
Town Clerk.

Municipal Buildings, OLDBURY, 6th November, 1953.

CITY OF LEICESTER.

A PPLICATIONS are invited for the appointment of MAINTENANCE ASSISTANT in the City Surveyor's Department. The salary will be in accordance with Grade A.P.T. IV-VI (£555-£735), according to qualifications and experience, and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

Applicants should have a good knowledge of architectural practice and be experienced in the maintenance of buildings, preparation of specifications and plans.

tions and plans.

Applications, including age, qualifications and experience, together with copies of testimonials, should reach the undersigned not later than 30th should reach the three transfer of the November, 1953.
JOHN L. BECKETT, M.Inst.C.E.,
City Surveyor.

Town Hall, Leicester.

LONDON COUNTY COUNCIL

HAMMERSMITH SCHOOL OF BUILDING
AND ARTS AND CRAFTS.— Applications
invited for VICE-PRINCIPAL AND HEAD OF
DEPARTMENT of Architecture, Building, Structural Engineering & Surveying. Applicants should
have both teaching and industrial or professional
experience and hold a recognised qualification of
graduate status. Burnham salary scale £1.315—
£25—£1.465 includes V/P allowance of £125 plus
London allowance £36 or £48 according to age.
Application forms from Secretary, at School, Lime
Grove, W.12, for return by 7th December. (1239.)
[7452]

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT

TEMPORARY TECHNICAL ASSISTANT (estimator) (up to £721) required for Historic Buildings Section for preparing estimates for maintenance and improvements work. Experience of special craftsmanship and of treatment of defects in old buildings essential. Application form, returnable by 25th November, from Architect (AR/EK/HB/4), County Hall, S.E.1. (1215).

APPOINTMENTS-contd.

GLAMORGAN COUNTY COUNCIL

COUNTY ARCHITECT

APPLICATIONS are invited for the above-mentioned post from Registered Architects who are either Fellows or Associate Members of the Royal Institute of British Architects. The annual salary will be £2,400 rising by one annual increment of £200 and two of £100 each to £2,800. The officer appointed will not be allowed to engage, directly or indirectly, in private practice or, without the consent of the County Council, to hold any other public office. Candidates must have had considerable practical experience in the administration of a County Architect's Department which includes a Direct Labour Building Section, and in the design, construction and maintenance of all schools and other types of County Buildings.

The appointment is pensionable and is also subject to:

(i) The conditions of service approved by the Joint Negotiating Committee for Chief Officers of Local Authorities as adopted by the County Council;

Local Authorities as adopted by the County Council:

(ii) the staffing regulations of the County Council existing from time to time;

(iii) three calendar months' notice on either side. The successful candidate must pass a medical examination.

Candidates must not be over 50 years of age, unless in the employ of a local authority or in public service where a superannuation transfer value would be payable in respect of the candidate; in the case of ex-service candidates, the age limit will be raised by the number of years served in H.M. Forces during the late war.

Applications (endorsed "County Architect") stating age, professional qualifications, experience, past and present appointments and other relevant information, with the names of three referees must be received by me not later than the 30th November, 1953.

Canvassing will disqualify.

Clerk of the County Council.

CARDIFF.

9th November, 1953. [7451]

9th November, 1953.

COUNTY BOROUGH OF EAST HAM.

A RCHITECTURAL ASSISTANT. Salary £595£645 (Grade APT.V).
ARCHITECTURAL ASSISTANT. Salary £595£600 (Grade APT.IV).
SENIOR ENGINEERING ASSISTANT. Salary £575£755 (Grade APT.V).
ENGINEERING ASSISTANT. Salary £595£645 (Grade APT.V).
QUANTITY SURVEYOR. Salary £555-£600
(Grade APT.IV).
London Weighting is paid in addition. Salaries in excess of the minima may be paid, according to the qualifications and experience of successful candidates.
Subsistence allowances may be paid and

dates. Subsistence allowances may be paid to persons pointed if unable to obtain suitable housing

appointed it unitable accommodation.

Further details and form of application (returnable by Monday, 30th November, 1953) obtainable from the Town Clerk, Town Hall, East Ham, E.6.

CITY OF BIRMINGHAM EDUCATION COMMITTEE

APPOINTMENT OF STAFF TO ARCHITECT'S BRANCH

Applications are invited for the following appointments in the Architect's Branch of the Birmingham Education Department (Architect to the Committee: Mr. J. R. Sheridan-Shedden, A.R.I.B.A.):—
ASSISTANT CLERKS OF WORKS (Tem-

porary). Salary: Miscellaneous Grade IV. (£440-£495). Applicants should have had a thorough techni-cal training and experience in building construction

cal training and experience in solutions and call training and experience in solutions. Application forms, which may be obtained (s.a.e.) from the undersigned, must be returned not later than 23rd November.

E. L. Russell, Chief Education Officer,

Education Officer,

Margaret Street,

Birmingham, 3.

[7423

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ARCHITECTURAL APPOINT-MENTS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-54 or a woman aged 18-59 inclusive, unless he or also or the employer is excepted from the property of the Notification of Vacancies Order 1952.

QUALIFIED Housing Architect. Full-time services required,—Apply, stating experience, age and salary, to Smiths Building Systems (Birmingham), Ltd., Smith Road, Wednesbury. [7424

ARCHITECTURAL Assistant wanted, about Intermediate standard; salary according to experience and ability.—T. H. Thorpe & Partners, 41, Friar Gate, Derby.

ARCHITECT'S Senior Assistant required.— Write, giving full particulars of experience and salary required, S. T. Walker, 83, Suffolk St., Birmingham, 1. [7456]

A RCHITECTURAL Assistant required in Preston (Lancs) affice, capable of preparing working drawings and details from sketch plans and a good draughtsman, up to Inter, R.I.B.A. standard or beyond.—Please send details of qualifications, age and experience, when free, and salary required, to Box 1742.

SITUATIONS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-64 or a woman aged 18-69 inclusive roles the provisions of The Notification of Vacancies Order 1952.

JUNIOR taker off and site measuring surveyors required.—Apply, stating age, experience and salary required to Lay & Partners, 8, Clarges Street, London, W.I. [7434

Street, London, W.I. [7434]
THE BRITISH OXYGEN Co., Ltd., have a vacancy for a Female Tracer at their Head Office in the West End of London. Applicants should have at least six years' practical experience. Please reply, giving full details of age, qualifications and experience, to Dept. 0874, British Oxygen Co., Ltd., Bridgewater House, Cleveland Row, St. James's, London, S.W.I. [7447]

James s, London, S.W.I. [7447]

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Bristol, 3. Tel. 64222. [7443] Bristol, 3. Tel. 64222.

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motor and starter, and St., E.C.2. [7454]
Estate, 274, Old Broad St., E.C.2. [7454]
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37a, Carfax, Horsham, Sussex. Tel. 990.
[0133]

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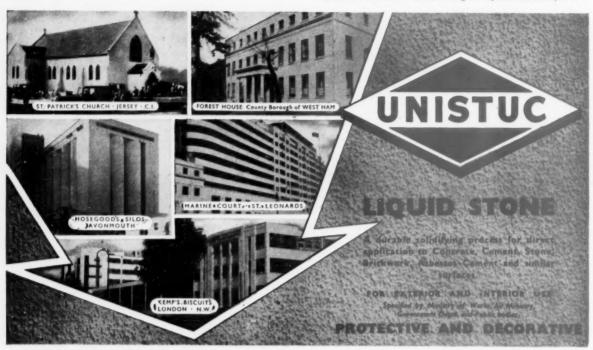
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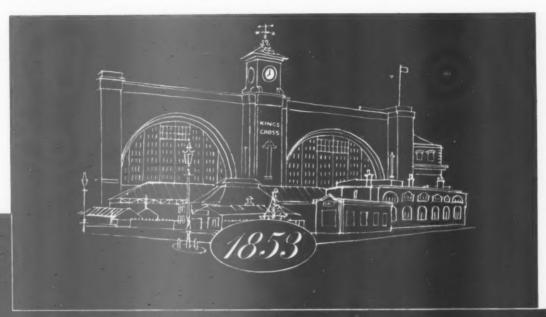
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